

PROGRAMMA DI NORMAZIONE CTI

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Il presente documento, che accompagna **La Relazione Annuale CTI 2020**, contiene il dettaglio dell'attività normativa svolta nel 2020 e in programma per il 2021. A tal fine esso è suddiviso nei seguenti due capitoli:

- le norme pubblicate in ambito CTI organizzate per Aree Tematiche e Commissioni Tecniche (Organi Tecnici operativi),
- i progetti di norma nazionali (UNI), europei (CEN) e internazionali (ISO) in corso di elaborazione.

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NORME PUBBLICATE ORGANIZZATE PER AREE TEMATICHE E COMMISSIONI TECNICHE



INVOLUCRO EDILIZIO e PRESTAZIONI ENERGETICHE

CT 201 "Isolanti e isolamento termico - Materiali"

Organo Tecnico	Codice Norma	Titolo Norma
NORME NAZIONALI CTI PUBBLICATE DA UNI NEL 2020		
CT 201	UNI/TR 11800:2020	Isolanti termici per edilizia - Linee guida per la definizione dei ruoli e delle modalità di utilizzo e posa in opera
NORME CEN DI COMPETENZA CTI PUBBLICATE DA UNI NEL 2020		
CEN/TC 88	UNI EN 16809-1:2020	Thermal insulation products of buildings - In-situ formed products from loose-fill expanded polystyrene (EPS) beads and bonded expanded polystyrene beads - Part 1: Specification for the bonded and loose-fill products before installation
NORME ISO DI COMPETENZA CTI PUBBLICATE DA ISO NEL 2020		
ISO/TC 163	ISO 9229:2020	Thermal insulation - Vocabulary
ISO/TC 163	ISO 16534:2020	Thermal insulating products for building applications - Determination of compressive creep
ISO/TC 163	ISO 16546:2020	Thermal insulating products for building applications - Determination of freeze-thaw resistance
ISO/TC 163	ISO 29470:2020	Thermal insulating products for building applications - Determination of the apparent density

CT 204 "Direttiva EPBD"

Organo Tecnico	Codice Norma	Titolo Norma
NO NORME CEN DI COMPETENZA CTI PUBBLICATE DA UNI NEL 2020		
CEN/TC 371	UNI CEN ISO/TR 52000-2:2020	Energy performance of buildings - Overarching EPB assessment - Part 2: Explanation and justification of ISO 52000-1 (ISO/TR 52000-2:2017)

CT 272 "Sistemi di automazione e controllo per la gestione dell'energia e del comfort negli edifici"

Organo Tecnico	Codice Norma	Titolo Norma
NORME CEN DI COMPETENZA CTI PUBBLICATE DA UNI NEL 2020		
CEN/TC 247	UNI EN 14908-7:2020	Comunicazione aperta dei dati per l'automazione, la regolazione e la gestione tecnica degli edifici - Protocollo di rete per gli edifici - Parte 7: Protocollo di comunicazione via internet
CEN/TC 247	UNI EN ISO 22510:2020	Comunicazione aperta dei dati per l'automazione, la regolazione e la gestione tecnica degli edifici - Sistemi elettronici per le case e gli edifici - Parte 2: Comunicazione KNXnet/IP
NORME ISO DI COMPETENZA CTI PUBBLICATE DA ISO NEL 2020		
ISO/TC 205	ISO 16484-5:2017/Amd 1:2020	Building automation and control systems (BACS) — Part 5: Data communication protocol — Amendment 1
ISO/TC 205	ISO 16484-6:2020	Building automation and control systems (BACS) - Part 6: Data communication conformance testing



GESTIONE DELL'ENERGIA e DIAGNOSI ENERGETICHE

CT 212 "Usò razionale e gestione dell'energia"

Organo Tecnico	Codice Norma	Titolo Norma
NORME ISO DI COMPETENZA CTI PUBBLICATE DA ISO NEL 2020		
ISO/TC 301	ISO 50004:2020	Energy management systems — Guidance for the implementation, maintenance and improvement of an ISO 50001 energy management system
ISO/TC 301	ISO 50049:2020	Calculation methods for energy efficiency and energy consumption variations at country, region and city levels

CT 213 "Diagnosi energetiche negli edifici"

Organo Tecnico	Codice Norma	Titolo Norma
NORME NAZIONALI CTI PUBBLICATE DA UNI NEL 2020		
CT 213	UNI/TR 11775:2020	Diagnosi Energetiche – Linee guida per le diagnosi energetiche degli edifici



IMPIANTI IN PRESSIONE

CT 223/GL 01 "Dispositivi di protezione e controllo degli impianti a pressione - Gruppo Misto CTI-UNI"

Organo Tecnico	Codice Norma	Titolo Norma
NORME NAZIONALI CTI PUBBLICATE DA UNI NEL 2020		
CT 223/GL 01	UNI 11801:2020	Prove di tipo per la valutazione delle prestazioni delle valvole di sicurezza per la protezione contro le sovrappressioni
NORME ISO DI COMPETENZA CTI PUBBLICATE DA ISO NEL 2020		
ISO/TC 185	ISO 4126-3:2020	Safety devices for protection against excessive pressure — Part 3: Safety valves and bursting disc safety devices in combination



IMPIANTISTICA INDUSTRIALE

CT 231 "Centrali elettriche e turbine a gas per uso industriale"

Organo Tecnico	Codice Norma	Titolo Norma
NORME ISO DI COMPETENZA CTI PUBBLICATE DA ISO NEL 2020		
ISO/TC 192	ISO 21905:2020	Gas turbine exhaust systems with or without waste heat recover

CT 234 "Motori - Commissione Mista CTI-CUNA"

Organo Tecnico	Codice Norma	Titolo Norma
NORME ISO DI COMPETENZA CTI PUBBLICATE DA ISO NEL 2020		
ISO/TC 70	ISO 3046-6:2020	Reciprocating internal combustion engines - Performance - Part 6: Overspeed protection
ISO/TC 70	ISO 4548-5:2020	Methods of test for full-flow lubricating oil filters for internal combustion engines — Part 5: Test for hydraulic pulse durability

CT 234 "Motori - Commissione Mista CTI-CUNA"

Organo Tecnico	Codice Norma	Titolo Norma
ISO/TC 70	ISO 6798-1:2020	Reciprocating internal combustion engines - Measurement of sound power level using sound pressure - Part 1: Engineering method
ISO/TC 70	ISO 6798-2:2020	Reciprocating internal combustion engines - Measurement of sound power level using sound pressure - Part 2: Survey method
ISO/TC 70	ISO 8178-1:2020	Reciprocating internal combustion engines — Exhaust emission measurement — Part 1: Test-bed measurement systems of gaseous and particulate emissions
ISO/TC 70	ISO 8178-4:2020	Reciprocating internal combustion engines — Exhaust emission measurement — Part 4: Steady-state and transient test cycles for different engine applications
ISO/TC 70	ISO 8528-3:2020	Reciprocating internal combustion engine driven alternating current generating sets — Part 3: Alternating current generators for generating sets
ISO/TC 70	ISO 11102-1:2020	Reciprocating internal combustion engines — Hand starting equipment — Part 1: Safety requirements and tests

CT 235 "Teleriscaldamento e Teleraffrescamento"

Organo Tecnico	Codice Norma	Titolo Norma
NORME NAZIONALI CTI PUBBLICATE DA UNI NEL 2020		
CT 235	UNI/PdR 93.2:2020	Linee guida per le caratteristiche e la qualità del fluido termovettore delle reti di teleriscaldamento e teleraffrescamento
CT 235	UNI/PdR 93.1:2020	Linee guida di Pronto Intervento e Gestione delle Emergenze per il servizio di teleriscaldamento e teleraffrescamento



CONDIZIONAMENTO DELL'ARIA, VENTILAZIONE E REFRIGERAZIONE

CT 241 "Impianti di climatizzazione: progettazione, installazione, collaudo e prestazioni (UNI/TS 11300-3)"

Organo Tecnico	Codice Norma	Titolo Norma
NORME CEN DI COMPETENZA CTI PUBBLICATE DA UNI NEL 2020		
CEN/TC 156	UNI EN 13053:2020	Ventilazione degli edifici - Unità di trattamento dell'aria - Classificazioni e prestazioni per le unità, i componenti e le sezioni
CEN/TC 156	UNI EN 16282-6:2020	Attrezzature per cucine - Componenti per la ventilazione nelle cucine commerciali - Parte 6: Separatori di aerosol; Requisiti di progettazione e sicurezza
CEN/TC 156	UNI CEN/TR 16798-2:2020	0 Prestazioni energetiche degli edifici - Ventilazione per gli edifici - Parte 2: Interpretazione dei requisiti della norma EN 16798-1 - Parametri di input ambientale interno per la progettazione e la valutazione delle prestazioni energetiche degli edifici in relazione alla qualità dell'aria interna, all'ambiente termico, all'illuminazione e all'acustica (Modulo M1-6)
NORME ISO DI COMPETENZA CTI PUBBLICATE DA ISO NEL 2020		
ISO/TC 117	ISO/TR 16219:2020	Fans — System effects and system effect factors

CT 242 "Materiali, componenti e sistemi per la depurazione e la filtrazione di aria, gas e fumi"

Organo Tecnico	Codice Norma	Titolo Norma
NORME ISO DI COMPETENZA CTI PUBBLICATE DA ISO NEL 2020		
ISO/TC 142	ISO 15727:2020	UV-C devices - Measurement of the output of a UV-C lamp

CT 243 "Impianti di raffrescamento: pompe di calore, condizionatori, scambiatori, compressori"

Organo Tecnico	Codice Norma	Titolo Norma
NORME CEN DI COMPETENZA CTI PUBBLICATE DA UNI NEL 2020		
CEN/TC 113	UNI EN 13215:2020	Unità di condensazione per la refrigerazione - Condizioni nominali, tolleranze e presentazione dei dati di prestazione del costruttore
CEN/TC 113	UNI EN 13487:2020	Scambiatori di calore - Condensatori raffreddati ad aria in convezione forzata e batterie di raffreddamento a secco - Misurazioni acustiche
NORME ISO DI COMPETENZA CTI PUBBLICATE DA ISO NEL 2020		
ISO/TC 86/SC 6	ISO 916:2020	Testing of refrigerating systems
ISO/TC 86/SC 6	ISO 5151:2017/ Amd 1:2020	Non-ducted air conditioners and heat pumps — Testing and rating for performance — Amendment 1
ISO/TC 86/SC 6	ISO 13253:2017/Amd 1:2020	Ducted air-conditioners and air-to-air heat pumps — Testing and rating for performance — Amendment 1
ISO/TC 86/SC 6	ISO 15042:2017/ Amd 1:2020	Multiple split-system air conditioners and air-to-air heat pumps - Test-ing and rating for performance - Amendment 1

CT 244 "Impianti frigoriferi: sicurezza e protezione dell'ambiente"

Organo Tecnico	Codice Norma	Titolo Norma
NORME CEN DI COMPETENZA CTI PUBBLICATE DA UNI NEL 2020		
CEN/TC 182	UNI EN 378-4:2020	Sistemi di refrigerazione e pompe di calore - Requisiti di sicurezza e ambientali - Parte 4: Conduzione, manutenzione, riparazione e recupero
CEN/TC 182	UNI EN 14276-1:2020	Attrezzature a pressione per sistemi di refrigerazione e per pompe di calore - Parte 1: Recipienti - Requisiti generali
CEN/TC 182	UNI EN 14276-2:2020	Attrezzature a pressione per sistemi di refrigerazione e per pompe di calore - Parte 2: Tubazioni - Requisiti generali
CEN/TC 182	UNI EN 14624:2020	Prestazioni dei rilevatori mobili di perdite e dei rilevatori fissi di gas per tutti i refrigeranti
NORME ISO DI COMPETENZA CTI PUBBLICATE DA ISO NEL 2020		
ISO/TC 86/SC 1	ISO 5149- 2:2014/Amd 1:2020	Refrigerating systems and heat pumps — Safety and environmental requirements — Part 2: Design, construction, testing, marking and documentation — Amendment 1

CT 245 "Impianti frigoriferi: refrigerazione industriale e commerciale"

Organo Tecnico	Codice Norma	Titolo Norma
NORME CEN DI COMPETENZA CTI PUBBLICATE DA UNI NEL 2020		
CEN/TC 44	UNI EN ISO 22041:2020	Armadi e tavoli refrigerati per uso professionale – Prestazioni e consumi energetici
NORME ISO DI COMPETENZA CTI PUBBLICATE DA ISO NEL 2020		
ISO/TC 86/SC 7	ISO 22043:2020	Ice-cream freezers — Classification, requirements and test conditions

CT 246 "Metodologie di prova e requisiti per mezzi di trasporto coibentati - Interfaccia CEN/TC 413 - Commissione Mista CTI-CUNA"

Organo Tecnico	Codice Norma	Titolo Norma
NORME CEN DI COMPETENZA CTI PUBBLICATE DA UNI NEL 2020		
CEN/TC 413	UNI EN 17066-1:2020	Mezzi di trasporto coibentati per merci deperibili alla temperatura - Requisiti e prove - Parte 1: Contenitore



RISCALDAMENTO

CT 251 "Impianti di riscaldamento - Progettazione, fabbisogni di energia e sicurezza (UNI/TS 11300-2 e 11300-4)"

Organo Tecnico	Codice Norma	Titolo Norma
NORME ISO DI COMPETENZA CTI PUBBLICATE DA ISO NEL 2020		
ISO/TC 205	ISO 52031:2020	Energy performance of buildings - Method for calculation of system energy requirements and system efficiencies - Space emission systems (heating and cooling)

CT 253 "Componenti degli impianti di riscaldamento - Produzione del calore, generatori a combustibili liquidi, gassosi e solidi"

Organo Tecnico	Codice Norma	Titolo Norma
NORME CEN DI COMPETENZA CTI PUBBLICATE DA UNI NEL 2020		
CEN/TC 47	UNI EN 267:2020	Brucciatori automatici per combustibili liquidi ad aria soffiata
CEN/TC 47	UNI EN 12514:2020	Componenti per sistemi di alimentazione per unità di consumo a combustibili liquidi
CEN/TC 57	UNI EN 303-6:2020	Caldaie per riscaldamento - Parte 6: Caldaie con bruciatori ad aria soffiata - Requisiti specifici per la funzione acqua calda sanitaria e per le prestazioni energetiche degli scalda-acqua ad olio combustibile e delle caldaie combinate, e con potenza termica nominale minore o uguale a 70 kW
CEN/TC 57	UNI EN 15332:2020	Caldaie per riscaldamento - Valutazione energetica dei sistemi di accumulo dell'acqua calda

CT 257 "Stufe, caminetti e barbecue ad aria e acqua (con o senza caldaia incorporata)"

Organo Tecnico	Codice Norma	Titolo Norma
NORME CEN DI COMPETENZA CTI PUBBLICATE DA UNI NEL 2020		
CEN/TC 295	EC 1-2020 UNI EN 16510-1:2019	Apparecchi di riscaldamento domestici a combustibile solido - Parte 1: Requisiti generali e metodi di prova

CT 258 "Canne fumarie"

Organo Tecnico	Codice Norma	Titolo Norma
NORME CEN DI COMPETENZA CTI PUBBLICATE DA UNI NEL 2020		
CEN/TC 166	UNI EN 16475-4:2020	Camini - Accessori - Parte 4: Serrande d'intercettazione - Requisiti e metodi di prova
CEN/TC 166	UNI EN 16475-7:2020	Camini - Accessori - Parte 7: Comignoli - Requisiti e metodi di prova



FONTI ENERGETICHE e SOSTENIBILITÀ

CT 282 "Biocombustibili solidi"

Organo Tecnico	Codice Norma	Titolo Norma
NORME NAZIONALI CTI PUBBLICATE DA UNI NEL 2020		
CT 282	UNI/TS 11772:2020	Biocombustibili solidi - Specifiche e classificazione del combustibile - Definizione di classi di bricchette di legno e non legnose integrative alle UNI EN ISO 17225-3 e UNI EN ISO 17225-7

CT 282 "Biocombustibili solidi"

Organo Tecnico	Codice Norma	Titolo Norma
CT 282	UNI/TS 11773:2020	Biocombustibili solidi - Specifiche e classificazione del combustibile - Definizione di classi di pellet legnoso e non legnoso integrative alle UNI EN ISO 17225-2 e UNI EN ISO 17225-6

NORME CEN DI COMPETENZA CTI PUBBLICATE DA UNI NEL 2020

CEN/TC 335	UNI EN ISO 21404:2020	Biocombustibili solidi - Determinazione del comportamento di fusione delle ceneri
CEN/TC 335	UNI EN ISO 21945:2020	Biocombustibili solidi - Metodo di campionamento semplificato per applicazioni di piccola scala

NORME ISO DI COMPETENZA CTI PUBBLICATE DA ISO NEL 2020

ISO/TC 238	ISO/TS 17225-9:2020	Solid biofuels - Fuel specifications and classes - Part 9: Graded hog fuel and wood chips for industrial use
ISO/TC 238	ISO 20024:2020	Solid biofuels - Safe handling and storage of solid biofuel pellets in commercial and industrial applications
ISO/TC 238	ISO/TS 20048-1:2020	Solid biofuels - Determination of off-gassing and oxygen depletion characteristics - Part 1: Laboratory method for the determination of off-gassing and oxygen depletion using closed containers
ISO/TC 238	ISO 20049-1:2020	Solid biofuels - Determination of self-heating of pelletized biofuels - Part 1: Isothermal calorimetry
ISO/TC 238	ISO/TS 20049-2:2020	Solid biofuels - Determination of self-heating of pelletized biofuels - Part 2: Basket heating tests
ISO/TC 238	ISO 21404:2020	Solid biofuels - Determination of ash melting behavior
ISO/TC 238	ISO 21945:2020	Solid biofuels - Simplified sampling method for small scale applications
ISO/TC 238	ISO/TR 23437:2020	Solid biofuels - Bridging behaviour of bulk biofuels

CT 283 "Energia da rifiuti"

Organo Tecnico	Codice Norma	Titolo Norma
NORME ISO DI COMPETENZA CTI PUBBLICATE DA ISO NEL 2020		
ISO/TC 300	ISO 21637:2020	Solid recovered fuels – Vocabulary
ISO/TC 300	ISO 21663:2020	Solid recovered fuels - Methods for the determination of carbon (C), hydrogen (H), nitrogen (N) and sulphur (S) by the instrumental method

CT 284 "Biogas da fermentazione anaerobica e syngas biogenico"

Organo Tecnico	Codice Norma	Titolo Norma
NORME NAZIONALI CTI PUBBLICATE DA UNI NEL 2020		
CT 284	UNI/TS 11567:2020	Linee guida per la qualificazione degli operatori economici (organizzazioni) della filiera di produzione del biometano ai fini della rintracciabilità e del sistema di equilibrio di massa
NORME ISO DI COMPETENZA CTI PUBBLICATE DA ISO NEL 2020		
ISO/TC 255	ISO 22580:2020	Flares for Combustion of Biogas
ISO/TC 255	ISO/TR 23590:2020	Household biogas system requirements: design, installation, operation, maintenance and safety

CT 285 "Bioliquidi per uso energetico"

Organo Tecnico	Codice Norma	Titolo Norma
NORME NAZIONALI CTI PUBBLICATE DA UNI NEL 2020		
CT 285	UNI/TS 11429:2020	Linee guida per la qualificazione degli operatori economici (organizzazioni) della filiera di produzione di biocarburanti e bioliquidi ai fini della rintracciabilità e del sistema di equilibrio di massa

CT 291 ""Criteri di sostenibilità delle biomasse - Biocarburanti - Commissione Mista CTI-CUNA

Organo Tecnico	Codice Norma	Titolo Norma
NORME GEN DI COMPETENZA CTI PUBBLICATE DA UNI NEL 2020		
CEN/TC 383	UNI EN 16214-1:2020	Criteri di sostenibilità per la produzione di biocarburanti e bioliquidi per applicazioni energetiche - Principi, criteri, indicatori e verificatori - Parte 1: Terminologia
CEN/TC 383	UNI EN 16214-4:2020	Criteri di sostenibilità per la produzione di biocarburanti e bioliquidi per applicazioni energetiche - Principi, criteri, indicatori e verificatori - Parte 4: Metodi di calcolo del bilancio di emissioni di gas serra utilizzando un approccio basato sull'analisi del ciclo di vita

CT CEI-CTI "Aspetti di efficienza dei materiali nella progettazione ecocompatibile dei prodotti connessi all'energia - Commissione Mista CEI-CTI"

Organo Tecnico	Codice Norma	Titolo Norma
NORME GEN DI COMPETENZA CTI PUBBLICATE DA UNI NEL 2020		
CEN/CLC/JTC 10	UNI CEI EN 45552:2020	Metodo generale per la valutazione della durabilità dei prodotti connessi all'energia
CEN/CLC/JTC 10	UNI CEI EN 45554:2020	Metodi generali per la valutazione della capacità di riparare, riutilizzare e aggiornare i prodotti connessi all'energia
CEN/CLC/JTC 10	UNI CEI EN 45555:2020	Metodi generali per valutare la riciclabilità e il recupero dei prodotti connessi all'energia
CEN/CLC/JTC 10	UNI CEI EN 45557:2020	Metodo generale per valutare il contenuto di materiale riciclato nei prodotti connessi all'energia

PROGETTI DI NORMA NAZIONALI, CEN E ISO IN ELABORAZIONE



INVOLUCRO EDILIZIO E PRESTAZIONI ENERGETICHE

CT 201 "Isolanti e isolamento termico - Materiali"

Organo Tecnico	Codice Norma	Titolo Norma
CT 201		Casseri isolanti a rimanere di polistirene espanso (EPS) per la realizzazione di solai
CEN/TC 88	FprEN 17139	Thermal insulation products for building - Factory made vegetal fibres based products (VFBP)
CEN/TC 88	FprEN 15732	Lightweight fill and thermal insulation products for civil engineering applications (CEA) - Expanded clay lightweight aggregate products (LWA)
CEN/TC 88	EN 13162:2012+A1:2015/FprA 2	Thermal insulation products for buildings - Factory made mineral wool (MW) products - Specification
CEN/TC 88	EN 13163:2012+A2:2016/prA3	Thermal insulation products for buildings - Factory made expanded polystyrene (EPS) products - Specification
CEN/TC 88	EN 13164:2012+A1:2015/prA2	Thermal insulation products for buildings - Factory made extruded polystyrene foam (XPS) products - Specification
CEN/TC 88	EN 13165:2012+A2:2016/prA3	Thermal insulation products for buildings - Factory made rigid polyurethane foam (PU) products - Specification
CEN/TC 88	EN 13166:2012+A2:2016/prA3	Thermal insulation products for buildings - Factory made phenolic foam (PF) products - Specification
CEN/TC 88	EN 13167:2012+A1:2015/prA2	Thermal insulation products for buildings - Factory made cellular glass (CG) products - Specification
CEN/TC 88	EN 13168:2012+A1:2015/FprA 2	Thermal insulation products for buildings - Factory made wood wool (WW) products - Specification
CEN/TC 88	EN 13169:2012+A1:2015/prA2	Thermal insulation products for buildings - Factory made expanded perlite board (EPB) products - Specification
CEN/TC 88	EN 13170:2012+A1:2015/FprA 2	Thermal insulation products for buildings - Factory made products of expanded cork (ICB) - Specification
CEN/TC 88	EN 13171:2012+A1:2015/FprA 2	Thermal insulation products for buildings - Factory made wood fibre (WF) products - Specification
CEN/TC 88	EN 16069:2012+A1:2015/prA2	Thermal insulation products for buildings - Factory made products of polyethylene foam (PEF) - Specification
CEN/TC 88		Thermal insulation products for buildings — Factory made reflective insulation products (RI) — Specification
CEN/TC 88		Assessment of the resistance of insulation products against mould development
CEN/TC 88	prEN 17237	Thermal insulation products for buildings - External thermal insulation composite kits with renders (ETIC kits) - Specification
CEN/TC 88	prEN ISO 29469	Thermal insulating products for building applications -- Determination of compression behaviour
CEN/TC 88		Thermal insulating products — Determination of ageing by settlement — Part 3: Determination of settlement for blown or injected loose fill insulation for closed cavities, simulating humidity and temperature cycling

CT 201 "Isolanti e isolamento termico - Materiali"

Organo Tecnico	Codice Norma	Titolo Norma
CEN/TC 88		Thermal insulation products — Determination of ageing by settlement — Part 2: Blown loose fill and injected insulation for cavity walls and timber and steel framed walls, simulating vibration
CEN/TC 88	prEN ISO 18393-1	Thermal insulation products — Determination of ageing by settlement — Part 1: Blown loose-fill insulation for ventilated attics, humidity and temperature cycling
CEN/TC 88		Thermal insulation products — Determination of ageing by settlement — Part 4: Blown loose-fill insulation for ventilated attics, vibration
CEN/TC 88	prEN ISO 29766	Thermal insulating products for building applications - Determination of tensile strength parallel to faces
CEN/TC 88	prEN ISO 29468	Thermal insulating products for building applications - Determination of flatness
CEN/TC 88	prEN ISO 29466	Thermal insulating products for building applications - Determination of thickness
CEN/TC 88	prEN ISO 29465	Thermal insulating products for building applications - Determination of length and width
CEN/TC 88	prEN ISO 29770	Thermal insulating products for building applications - Determination of thickness for floating-floor insulating products
CEN/TC 88	prEN ISO 29768	Thermal insulating products for building applications - Determination of linear dimensions of test specimens
CEN/TC 88	prEN ISO 18097	Thermal insulating products for building equipment and industrial installations - Determination of maximum service temperature
CEN/TC 88	prEN ISO 12624	Thermal insulating products for building equipment and industrial installations - Determination of trace quantities of water soluble chloride, fluoride, silicate, sodium ions and pH
CEN/TC 88	prEN ISO 12628	Thermal insulating products for building equipment and industrial installations - Determination of dimensions, squareness and linearity of preformed pipe insulation
CEN/TC 88	prEN ISO 18096	Thermal insulating products for building equipment and industrial installations - Determination of maximum service temperature for preformed pipe insulation
CEN/TC 88	prEN ISO 18098	Thermal insulating products for building equipment and industrial installations - Determination of the apparent density of preformed pipe insulation
CEN/TC 88	prEN ISO 18099	Thermal insulating products for building equipment and industrial installations - Determination of the coefficient of thermal expansion
CEN/TC 88	prEN ISO 12629	Thermal insulating products for building equipment and industrial installations - Determination of water vapour transmission properties of preformed pipe insulation
CEN/TC 88	prEN ISO 12623	Thermal insulating products for building equipment and industrial installations - Determination of short term water absorption by partial immersion of preformed pipe insulation
ISO/TC 163/SC 3	ISO/AWI 8144-1	Thermal insulation — Mineral wool mats for ventilated roof spaces — Part 1: Specification for applications with restricted ventilation
ISO/TC 163/SC 3	ISO/AWI 8144-2	Thermal insulation — Mineral wool mats for ventilated roof spaces — Part 2: Specification for horizontal applications with unrestricted ventilation
ISO/TC 163/SC 3	ISO/CD 8145	Thermal insulation — Mineral wool board for overdeck insulation of roofs — Specification
ISO/TC 163/SC 3	ISO/AWI 16478	Thermal insulation products - Vacuum insulation panels (VIPs) - Specification

CT 201 "Isolanti e isolamento termico - Materiali"

Organo Tecnico	Codice Norma	Titolo Norma
ISO/TC 163/SC 3	ISO/DIS 17738-1	Thermal insulation products — Exterior insulation finish systems — Part 1: Materials
ISO/TC 163/SC 3	ISO/DIS 22097	Thermal insulation for buildings — Reflective insulation products — Determination of thermal performance
ISO/TC 163/SC 3	ISO/DIS 22482.2	Thermal insulation products — Aerogel blanket for buildings — Determination of physical properties
ISO/TC 163/SC 3	ISO/CD 24260	Thermal insulation products — Hemp fiber mat and board — Specification
ISO/TC 163/SC 3	ISO/AWI 24285	Thermal insulation for building equipment and industrial applications — Cellular Glass products — Specification

CT 202 "Isolanti e isolamento - Metodi di calcolo e di prova (UNI/TS 11300-1)"

Organo Tecnico	Codice Norma	Titolo Norma
CT 202		Rilevazione in opera della trasmittanza termica mediante termografia all'infrarosso – Metodo speditivo
CT 202	UNI 10351 rev	Materiali e prodotti per edilizia - Proprietà termoigrometriche - Procedura per la scelta dei valori di progetto
CT 202	UNI 11552 rev	Abaco delle strutture costituenti l'involucro opaco degli edifici - Parametri termofisici
CT 202	UNI/TS 11300-2	Prestazione energetica degli edifici - Fabbricato
CT 202	UNI 10349-1 rev	Riscaldamento e raffrescamento degli edifici - Dati climatici - Parte 1: Medie mensili per la valutazione della prestazione termo-energetica dell'edificio e metodi per ripartire l'irradianza solare nella frazione diretta e diffusa e per calcolare l'irradianza solare su di una superficie inclinata
CT 202		Prestazioni energetiche degli edifici - Assunzioni di base e condizioni al contorno per la corretta applicazione di metodi per il calcolo delle prestazioni energetiche e dei carichi termici di progetto in regime dinamico
CEN/TC 089	prEN ISO 12241 rev	Thermal insulation for building equipment and industrial installations - Calculation rules
CEN/TC 089	prEN ISO 52016-3	Energy performance of buildings - Energy needs for heating and cooling, internal temperatures and sensible and latent heat loads - Part 3: Calculation procedures regarding adaptive building envelope elements
CEN/TC 089	prEN ISO 22097	Thermal insulation for buildings - Reflective insulation products - Determination of thermal performance (ISO/DIS 22097:2019)
CEN/TC 089	prEN ISO 12571	Hygrothermal performance of building materials and products - Determination of hygroscopic sorption properties (ISO/DIS 12571:2020)
CEN/TC 089	prEN ISO 52016-5	Energy performance of buildings – Energy needs for heating and cooling, internal temperatures and sensible and latent heat loads – Part 5: Specific criteria and validation procedures
CEN/TC 089	prEN ISO 12569 rev	Thermal performance of buildings and materials - Determination of specific airflow rate in buildings - Tracer gas dilution method
CEN/TC 089	prEN ISO 6781-1	Performance of buildings - Detection of heat, air and moisture irregularities in buildings by infrared methods - Part 1: General procedures (ISO/DIS 6781-1:2020)
ISO/TC 163	ISO/AWI 52000-3	Energy performance of buildings — Overarching EPB assessment — Part 3: General Principles for determination and reporting of Primary Energy Factors (PEF) and CO2 emission coefficient (Module M1-7)
ISO/TC 163/SC 1	ISO/DIS 6781-1	Performance of buildings — Detection of heat, air and moisture irregularities in buildings by infrared methods — Part 1: General procedures

ISO/TC 163/SC 1	ISO 9869-2:2018/DAMD 1	Thermal insulation — Building elements — In-situ measurement of thermal resistance and thermal transmittance — Part 2: Infrared method for frame structure dwelling — Amendment 1: Example of calculation of uncertainty analysis
ISO/TC 163/SC 1	ISO/AWI 12569	Thermal performance of buildings and materials — Determination of specific airflow rate in buildings — Tracer gas dilution method
ISO/TC 163/SC 1	ISO/DIS 12571	Hygrothermal performance of building materials and products — Determination of hygroscopic sorption properties
ISO/TC 163/SC 1	ISO/AWI 12623	Thermal insulating products for building equipment and industrial installations — Determination of short-term water absorption by partial immersion of preformed pipe insulation
ISO/TC 163/SC 1	ISO/AWI 12624	Thermal insulating products for building equipment and industrial installations — Determination of trace quantities of water soluble chloride, fluoride, silicate, sodium ions and pH
ISO/TC 163/SC 1	ISO/AWI 12628	Thermal insulating products for building equipment and industrial installations — Determination of dimensions, squareness and linearity of preformed pipe
ISO/TC 163/SC 1	ISO/AWI 12629	Thermal insulating products for building equipment and industrial installations — Determination of water vapour transmission properties of preformed pipe insulation
ISO/TC 163/SC 1	ISO/AWI 18096	Thermal insulating products for building equipment and industrial installations — Determination of maximum service temperature for preformed pipe insulation
ISO/TC 163/SC 1	ISO/AWI 18097	Thermal insulating products for building equipment and industrial installations — Determination of maximum service temperature
ISO/TC 163/SC 1	ISO/AWI 18098	Thermal insulating products for building equipment and industrial installations — Determination of the apparent density of preformed pipe insulation
ISO/TC 163/SC 1	ISO/AWI 18099	Thermal insulating products for building equipment and industrial installations — Determination of the coefficient of thermal expansion
ISO/TC 163/SC 1	ISO/AWI 18393-1	Thermal insulation products — Determination of ageing by settlement — Part 1: Blown loose-fill insulation for ventilated attics, humidity and temperature cycling
ISO/TC 163/SC 1	ISO/FDIS 19467-2	Thermal Performance of windows and doors — Determination of solar heat gain coefficient using solar simulator — Part 2: Centre of glazing
ISO/TC 163/SC 1	ISO 21901	Thermal insulation — Test method for thermal diffusivity — Periodic heat method
ISO/TC 163/SC 1	ISO/DIS 23327	Hygrothermal performance of building materials and products — Determination of moisture sorption/desorption properties in response to periodic temperature variation
ISO/TC 163/SC 1	ISO/CD 23766	Thermal insulating products for industrial installations — Determination of the coefficient of linear thermal expansion at sub-ambient temperatures
ISO/TC 163/SC 1	ISO/WD 24144	Thermal insulation — Test method for Specific heat capacity of thermal insulation for buildings in the high temperature range — DSC method
ISO/TC 163/SC 1	ISO 24353:2008/PRF AMD 1	Hygrothermal performance of building materials and products — Determination of moisture adsorption/desorption properties in response to humidity variation — Amendment 1
ISO/TC 163/SC 1	ISO/AWI 29465	Thermal insulating products for building applications — Determination of length and width
ISO/TC 163/SC 1	ISO/AWI 29465	Thermal insulating products for building applications — Determination of length and width

ISO/TC 163/SC 1	ISO/AWI 29468	Thermal insulating products for building applications — Determination of flatness
ISO/TC 163/SC 1	ISO/AWI 29469	Thermal insulating products for building applications — Determination of compression behaviour
ISO/TC 163/SC 1	ISO/AWI 29766	Thermal insulating products for building applications — Determination of tensile strength parallel to faces
ISO/TC 163/SC 1	ISO/AWI 29768	Thermal insulating products for building applications — Determination of linear dimensions of test specimens
ISO/TC 163/SC 1	ISO/AWI 29770	Thermal insulating products for building applications — Determination of thickness for floating-floor insulating products
ISO/TC 163/SC 2	ISO/DIS 12241	Thermal insulation for building equipment and industrial installations — Calculation rules
ISO/TC 163/SC 2	ISO/CD 52016-3	Energy performance of buildings — Energy needs for heating and cooling, internal temperatures and sensible and latent heat loads — Part 3: Calculation procedures regarding adaptive building envelope elements
ISO/TC 163/SC 2	ISO/WD 52016-5	Energy performance of buildings — Energy needs for heating and cooling, internal temperatures and sensible and latent heat loads — Part 5: Specific criteria and validation procedures
ISO/TC 205	ISO/AWI TR 5863	Integrative design of the building envelope — General principles
ISO/TC 205	ISO/AWI TR 5242	Technical analysis for a new perspective on thermal comfort
ISO/TC 205	ISO/DIS 11855-1	Building environment design — Embedded radiant heating and cooling systems — Part 1: Definitions, symbols, and comfort criteria
ISO/TC 205	ISO/DIS 11855-2	Building environment design — Embedded radiant heating and cooling systems — Part 2: Determination of the design heating and cooling capacity
ISO/TC 205	ISO/DIS 11855-3	Building environment design — Embedded radiant heating and cooling systems — Part 3: Design and dimensioning
ISO/TC 205	ISO/DIS 11855-4	Building environment design — Embedded radiant heating and cooling systems — Part 4: Dimensioning and calculation of the dynamic heating and cooling capacity of Thermo Active Building Systems (TABS)
ISO/TC 205	ISO/DIS 11855-5	Building environment design — Embedded radiant heating and cooling systems — Part 5: Installation

CT 204 “Direttiva EPBD”

Organo Tecnico	Codice Norma	Titolo Norma
CT 204		Prestazione energetica degli edifici - Ascensori, scale mobili e marciapiedi mobili
CT 204		Prestazione energetica degli edifici – Sottosistemi di utilizzazione – Accumulo elettrico
CEN/TC 371	prCEN/TS 16629 rev	Energy Performance of Buildings - Detailed Technical Rules for the set of EPB-standards
CEN/TC 371	prCEN/TS 16628 rev	Energy Performance of Buildings - Basic Principles for the set of EPB standards
ISO/TC 205	ISO/DTS 23764	Approach for non-residential Zero Energy Buildings (ZEB)

CT 272 "Sistemi di automazione e controllo per la gestione dell'energia e del comfort negli edifici"

Organo Tecnico	Codice Norma	Titolo Norma
CEN/TC 247	EN 12312-5:2021	Aircraft ground support equipment - Specific requirements - Part 5: Aircraft fuelling equipment
CEN/TC 247	prEN 1915-1	Aircraft ground support equipment - General requirements - Part 1: Basic safety requirements
CEN/TC 247	prEN 12312-4	Aircraft ground support equipment - Specific requirements - Part 4: Passenger boarding bridges
CEN/TC 247	prEN 12312-1	Aircraft ground support equipment - Specific requirements - Part 1: Passenger stairs
ISO/TC 205	ISO/DIS 52120-1	Energy performance of buildings — Contribution of building automation and controls and building management — Part 1: Modules M10-4,5,6,7,8,9,10
ISO/TC 205	ISO/TR 52120-2	Energy performance of buildings — Contribution of building automation, controls and building management — Part 2: Explanation and justification of ISO 52120-1



GESTIONE DELL'ENERGIA e DIAGNOSI ENERGETICHE

CT 212 "Uso razionale e gestione dell'energia"

Organo Tecnico	Codice Norma	Titolo Norma
CT 212		Contratto di prestazione energetica (EPC) – Requisiti energetici minimi
CT 212		Attività professionali non regolamentate - Esperti in gestione dell'energia. Requisiti di conoscenza, abilità e competenza
CEN/CLC/JTC 14	rEN 17463	Methodology for the Valuation of Energy Related Investments (ValERI)
CEN/CLC/JTC 14	prEN 16247-1	Energy audits - Part 1: General requirements
CEN/CLC/JTC 14	prEN 16247-2	Energy audits - Part 2: Buildings
CEN/CLC/JTC 14	prEN 16247-3	Energy audits - Part 3: Processes
CEN/CLC/JTC 14	prEN 16247-4	Energy audits - Part 4: Transport
CEN/CLC/JTC 14	prEN XXX	Energy Performance Contracting - Minimum requirements
CEN/CLC/JTC 14	prEN 16325 rev	Guarantees of Origin for electricity, gaseous hydrocarbons, and hydrogen, and heating & cooling
ISO/TC 301	ISO/FDIS 50003	Energy management systems — Requirements for bodies providing audit and certification of energy management systems
ISO/TC 301	ISO/DIS 50005	Energy management systems — Guidelines for a phased implementation
ISO/TC 301	ISO/CD 50006.2	ISO 50006 Energy management systems — Evaluating Energy Performance using Energy Baselines and Energy Performance Indicators
ISO/TC 301	ISO 50009	Energy management systems — Guidance for implementing a common energy management system in multiple organizations
ISO/TC 301	ISO/AWI 50010	Energy management and energy savings - Guidance for zero net energy in operations

CT 214 "Diagnosi energetiche nei processi"

Organo Tecnico Codice Norma

CT 214

Titolo Norma

Diagnosi energetiche nei processi. Linee guida per le diagnosi energetiche dei processi



IMPIANTI IN PRESSIONE

CT 221 "Progettazione e costruzione di attrezzature a pressione e di forni industriali"

Organo Tecnico Codice Norma

CT 221

Titolo Norma

Riparazione di attrezzature a pressione in esercizio originariamente progettate e costruite in conformità alle raccolte ISPEL VSR, VSG, M, S ed F (specifica tecnica)

CEN/TC 54

EN 13445-8:2014/prA2

Unfired pressure vessels - Part 8: Additional requirements for pressure vessels of aluminium and aluminium alloys

CEN/TC 54

EN 13445-4:2014/FprA2

Unfired pressure vessels - Part 4: Fabrication

CEN/TC 54

prEN 286-2

Simple unfired pressure vessels designed to contain air or nitrogen - Part 2: Pressure vessels for air braking and auxiliary systems for motor vehicles and their trailers

CEN/TC 54

prEN 286-3

Simple unfired pressure vessels designed to contain air or nitrogen - Part 3: Steel pressure vessels designed for air braking equipment and auxiliary pneumatic equipment for railway rolling stock

CEN/TC 54

prEN 13445-12

Unfired pressure vessels - Part 12: Additional requirements for pressure vessels of copper and copper alloys

CEN/TC 54

EN 13445-3:2014/prA12

Unfired pressure vessels - Part 3: Design

CEN/TC 54

EN 13445-5:2014/FprA2

Unfired pressure vessels - Part 5: Inspection and testing

CEN/TC 54

FprEN 764-7

Pressure equipment - Part 7: Safety systems for unfired pressure equipment

CEN/TC 54

prEN 13445-11

Unfired pressure vessels - Part 11: Additional requirements for pressure vessels of titanium and titanium alloys

CEN/TC 54

prEN 286-1

Simple unfired pressure vessels designed to contain air or nitrogen - Part 1: Pressure vessels for general purposes

CEN/TC 54

EN 13445-3:2014/prA14

Unfired pressure vessels - Part 3: Design

CEN/TC 54

EN 13445-3:2014/prA15

Unfired pressure vessels - Part 3: Design

CEN/TC 54

prEN 286-4

Simple unfired pressure vessels designed to contain air or nitrogen - Part 4: Aluminium alloy pressure vessels designed for air braking equipment and auxiliary pneumatic equipment for railway rolling stock

CEN/TC 54

EN 13445-3:2014/prA16

Unfired pressure vessels - Part 3: Design

CEN/TC 54

prEN 13445-14

Unfired pressure vessels - Part 14: Additional requirements for pressure equipment and pressure components fabricated with additive manufacturing method

CEN/TC 54

FprEN 15776

Unfired pressure vessels - Requirements for the design and fabrication of pressure vessels and pressure vessel parts constructed from cast iron with an elongation after fracture equal or less than 15 %

CEN/TC 54

EN 13445-3:2014/prA19

Unfired pressure vessels - Part 3: Design

CEN/TC 54	EN 13445-3:2014/prA20:2019	Unfired pressure vessels - Part 3: Design
CEN/TC 54	EN 13445-2:2014/prA7	Unfired pressure vessels - Part 2: Materials
CEN/TC 54	EN 13445-10:2015/prA1:2019	Unfired pressure vessels - Part 10: Additional requirements for pressure vessels of nickel and nickel alloys
CEN/TC 54	prEN 13445-1 rev	Unfired pressure vessels - Part 1: General
CEN/TC 54	prEN 13445-2 rev	Unfired pressure vessels - Part 2: Materials
CEN/TC 54	prEN 13445-3 rev	Unfired pressure vessels - Part 3: Design
CEN/TC 54	prEN 13445-4 rev	Unfired pressure vessels - Part 4: Fabrication
CEN/TC 54	prEN 13445-5 rev	Unfired pressure vessels - Part 5: Inspection and testing
CEN/TC 54	prEN 13445-6 rev	Unfired pressure vessels - Part 6: Requirements for the design and fabrication of pressure vessels and pressure parts constructed from spheroidal graphite cast iron
CEN/TC 54	prEN 13445-8 rev	Unfired pressure vessels - Part 8: Additional requirements for pressure vessels of aluminium and aluminium alloys
CEN/TC 54	prEN 13445-10 rev	Unfired pressure vessels - Part 10: Additional requirements for pressure vessels of nickel and nickel alloys
CEN/TC 54	EN 13445-4:2014/prA3	Unfired pressure vessels - Part 4: Fabrication
CEN/TC 54	EN 13445-2:2014/prA8	Unfired pressure vessels - Part 2: Materials
CEN/TC 269	FprEN 746-3	Industrial thermoprocessing equipment - Part 3: Safety requirements for the generation and use of atmosphere gases
CEN/TC 269	prEN 746-1	Industrial thermoprocessing equipment - Part 1: Common safety requirements for industrial thermoprocessing equipment
CEN/TC 269	prEN ISO 13577-4	Industrial furnaces and associated processing equipment — Safety — Part 4: Protective systems
CEN/TC 269	FprEN 12952-8	Water-tube boilers and auxiliary installations - Part 8: Requirements for firing systems for liquid and gaseous fuels for the boiler
CEN/TC 269	FprEN 12952-9	Water-tube boilers and auxiliary installations - Part 9: Requirements for firing systems for pulverized solid fuels for the boiler
CEN/TC 269	FprEN 12952-10	Water-tube boilers and auxiliary installations - Part 10: Requirements for safety devices against excessive pressure
CEN/TC 269	FprEN 12952-16	Water-tube boilers and auxiliary installations - Part 16: Requirements for grate and fluidized-bed firing systems for solid fuels for the boiler
CEN/TC 269	FprEN 12952-2	Water-tube boilers and auxiliary installations - Part 2: Materials for pressure parts of boilers and accessories
CEN/TC 269	FprEN 12952-5	Water-tube boilers and auxiliary installations - Part 5: Workmanship and construction of pressure parts of the boiler
CEN/TC 269	FprEN 12952-6	Water-tube boilers and auxiliary installations - Part 6: Inspection during construction, documentation and marking of pressure parts of the boiler
CEN/TC 269	prEN 12952-3 rev	Water-tube boilers and auxiliary installations - Part 3: Design and calculation for pressure parts of the boiler
ISO/TC 244	ISO/AWI 4529	Industrial furnaces and associated processing equipment — Secondary steelmaking — Machinery and equipment for treatment of liquid steel
ISO/TC 244	ISO/AWI 13577-4	Industrial furnace and associated processing equipment — Safety — Part 4: Protective systems
ISO/TC 244	ISO/AWI 13574	Industrial furnaces and associated processing equipment — Vocabulary

ISO/TC 244	ISO/AWI 13577-2	Industrial furnaces and associated processing equipment — Safety — Part 2: Combustion and fuel handling systems
ISO/TC 244	ISO/AWI 20431	Heat treatment — Control of quality
ISO/TC 244	ISO/FDIS 23495	Industrial furnaces and associated processing equipment — Safety requirements for steel converter and associated equipment

CT 222 “Integrità strutturale degli impianti a pressione”

Organo Tecnico	Codice Norma	Titolo Norma
CT 222	UNI 11325-4	Attrezzature a pressione - Messa in servizio ed utilizzazione delle attrezzature e degli insiemi a pressione - Parte 4: Metodi operativi per la valutazione di integrità di attrezzature a pressione operanti in regime di scorrimento viscoso applicabili nell'ambito della procedura di valutazione di cui alla UNI/TS 11325-2

CT 223 “Esercizio e dispositivi di protezione delle installazioni a pressione”

Organo Tecnico	Codice Norma	Titolo Norma
CT 223		Monitoraggio dei parametri di esercizio di attrezzature a pressione (specifica tecnica)

CT 223/GL01 “Dispositivi di protezione e controllo degli impianti a pressione - Gruppo Misto CTI-UNI”

Organo Tecnico	Codice Norma	Titolo Norma
ISO/TC 185	ISO/AWI 4126-6	Safety devices for protection against excessive pressure — Part 6: Application, selection and installation of bursting disc safety devices
ISO/TC 185	ISO/CD 4126-10	Safety devices for protection against excessive pressure — Part 10: Sizing of safety valves for gas/liquid two-phase flow



IMPIANTISTICA INDUSTRIALE

CT 231 “Centrali elettriche e turbine a gas per uso industriale”

Organo Tecnico	Codice Norma	Titolo Norma
CEN/TC 399	prEN ISO 21789	Gas turbine applications - Safety (ISO/DIS 21789:2020)
ISO/TC 192	ISO/CD 3977-2	Gas turbines — Procurement — Part 2: Standard reference conditions and ratings
ISO/TC 192	ISO/WD 3977-9	Gas turbines — Procurement — Part 9: Reliability, availability, maintainability
ISO/TC 192	ISO/DIS 21789	Gas turbine applications — Safety

CT 232 “Sistemi di compressione ed espansione”

Organo Tecnico	Codice Norma	Titolo Norma
CEN/TC 232	prEN ISO 11011-1	Compressed air - Energy efficiency - Assessment
ISO/TC 118	ISO/FDIS 28927-13	Hand-held portable power tools — Test methods for evaluation of vibration emission — Part 13: Fastener driving tools
ISO/TC 118	ISO/CD 11148-13	Hand-held non-electric power tools — Safety requirements — Part 13: Fastener driving tools

CT 232 "Sistemi di compressione ed espansione"

Organo Tecnico	Codice Norma	Titolo Norma
ISO/TC 118	ISO/AWI 28927-8	Hand-held portable power tools — Test methods for evaluation of vibration emission — Part 8: Saws, polishing and filing machines with reciprocating action and small saws with oscillating or rotating action
ISO/TC 118	ISO/AWI 4376	Cycle Energy Requirement — Acceptance Test
ISO/TC 118	ISO/CD 22484	Performance test code for electric driven low pressure air compressor packages

CT 234 "Motori - Commissione Mista CTI-CUNA"

Organo Tecnico	Codice Norma	Titolo Norma
CEN/TC 270	prEN ISO 11102-1	Reciprocating internal combustion engines - Handle starting equipment - Part 1: Safety requirements and tests (ISO/DIS 11102-1:2020)
CEN/TC 270	prEN ISO 8528-10	EN ISO 8178-10: Reciprocating internal combustion engine driven alternating current generating sets Part 10: Measurement of airborne noise by the enveloping surface method
ISO/TC 70	ISO/DIS 4548-6	Methods of test for full-flow lubricating oil filters for internal combustion engines — Part 6: Static burst pressure test
ISO/TC 70	ISO/CD 4548-13	Methods of test for full-flow lubricating oil filters for internal combustion engines — Part 13: Static burst pressure test for composite filter housings
ISO/TC 70	ISO/AWI 4548-14	Methods of test for full-flow lubricating oil filters for internal combustion engines — Part 14: Cold start simulation and hydraulic pulse durability for composite filter housings
ISO/TC 70	ISO/CD 4548-15	Methods of test for full-flow lubricating oil filters for internal combustion engines — Part 15: Vibration fatigue test for composite filter housings
ISO/TC 70	ISO/AWI TR 6307	Effect of conductivity on multipass testing as per ISO 4548-12:2017
ISO/TC 70	ISO/FDIS 8178-5	Reciprocating internal combustion engines — Exhaust emission measurement — Part 5: Test fuels
ISO/TC 70	ISO/DIS 8178-2	Reciprocating internal combustion engines — Exhaust emission measurement — Part 2: Measurement of gaseous and particulate exhaust emissions under field conditions

CT 235 "Teleriscaldamento e Teleraffrescamento"

Organo Tecnico	Codice Norma	Titolo Norma
CT 235	UNI/PdR	Linee Guida per la ricerca e la classificazione delle dispersioni idriche nelle reti di Teleriscaldamento e Teleraffrescamento
CT 235	UNI/PdR	Linee guida per la verifica metrologica non legale dei contatori di calore



CONDIZIONAMENTO DELL'ARIA, VENTILAZIONE E REFRIGERAZIONE

CT 241 "Impianti di climatizzazione: progettazione, installazione, collaudo e prestazioni (UNI/TS 11300-3)"

Organo Tecnico	Codice Norma	Titolo Norma
CT 241	UNI 10829 rev	Beni di interesse storico e artistico - Condizioni ambientali di conservazione - Misurazione ed analisi

CT 241 "Impianti di climatizzazione: progettazione, installazione, collaudo e prestazioni (UNI/TS 11300-3)"

Organo Tecnico	Codice Norma	Titolo Norma
CT 241	prUNI 10339-1	Impianti aeraulici per la climatizzazione - Parte 1: classificazione e prescrizioni relative a componenti e sistemi aeraulici
CT 241		Progettazione di impianti aeraulici per la climatizzazione e per la ventilazione – Parte 2: Procedure per la progettazione, l'offerta e la fornitura degli impianti
CEN/TC 156	FprEN ISO 12759-2	Fans - Efficiency classification for fans - Part 2: Standard losses for drive components (ISO/FDIS 12759-2:2018)
CEN/TC 156	prEN ISO 12759-5	Fans - Efficiency classification for fans - Part 5: Jet fans (ISO/DIS 12759-5:2019)
CEN/TC 156	FprEN 17170	Fans - Safety requirements
CEN/TC 156	FprEN 17166:2019	Fans - Procedures and methods to determine the energy efficiency for the electrical input power range of 125 W up to 500 kW
CEN/TC 156	prEN 17291	Fans - Procedures and methods to determine and evaluate the energy efficiency of non-residential unidirectional ventilation units
CEN/TC 156	EN 13142:2021	Ventilation for buildings - Components/products for residential ventilation - Required and optional performance characteristics
CEN/TC 156	EN 13141-4:2021	Ventilation for buildings - Performance testing of components/products for residential ventilation - Part 4: Aerodynamic, electrical power and acoustic performance of unidirectional ventilation units
CEN/TC 156	EN 13141-7:2021	Ventilation for buildings - Performance testing of components/products for residential ventilation - Part 7: Performance testing of ducted mechanical supply and exhaust ventilation units (including heat recovery)
CEN/TC 156	prEN 13141-8	Ventilation for buildings - Performance testing of components/products for residential ventilation - Part 8: Performance testing of non-ducted mechanical supply and exhaust ventilation units (including heat recovery)
CEN/TC 156	prEN ISO 13350	Fans - Performance testing of jet fans (ISO/DIS 13350:2018)
CEN/TC 156	EN 16798-5-1:2017/prA1	Energy performance of buildings - Ventilation for buildings - Part 5-1: Calculation methods for energy requirements of ventilation and air conditioning systems (Modules M5-6, M5-8, M6-5, M6-8, M7-5, M7-8) - Method 1: Distribution and generation
CEN/TC 156	prEN ISO 13351 rev	Fans - Dimensions
CEN/TC 156	EN 16282-7:2017/prA1	Equipment for commercial kitchens - Components for ventilation in commercial kitchens - Part 7: Installation and use of fixed fire suppression systems
CEN/TC 156	EN 16282-3:2016/prA1	Equipment for commercial kitchens - Components for ventilation in commercial kitchens - Part 3: Kitchen ventilation ceilings; design and safety requirements
CEN/TC 156	prEN 15780 rev	Ventilation for buildings - Ductwork - Cleanliness of ventilation systems
CEN/TC 156	prEN 15650	Ventilation for buildings - Fire dampers
CEN/TC 156	prEN ISO 13349 rev	Fans - Vocabulary and definitions of categories
CEN/TC 156		Ventilation for medical locations - Requirements
CEN/TC 156	EN 16798-17:2017/prA	Energy performance of buildings - Ventilation for buildings - Part 17: Guidelines for inspection of ventilation and air conditioning systems (Module M4-11, M5-11, M6-11, M7-11)
CEN/TC 156		Energy performance of buildings - Ventilation for buildings - Part 18: Interpretation of the requirements in EN 16798-17 - Guidelines for inspection of ventilation and air-conditioning systems (Modules M4-11, M5-11, M6-11, M7-11)
CEN/TC 156	prEN 1886 rev	Ventilation for buildings - Air handling units - Mechanical performance
ISO/TC 117	ISO/CD TR 27327-3	Fans — Air curtain units — Part 3: Test methods to determine energy effectiveness

CT 241 "Impianti di climatizzazione: progettazione, installazione, collaudo e prestazioni (UNI/TS 11300-3)"

Organo Tecnico	Codice Norma	Titolo Norma
ISO/TC 117	ISO/AWI 27327-1	Fans — Air curtain units — Part 1: Laboratory methods of testing for aerodynamic performance rating
ISO/TC 117	ISO/CD 24660	Fans — Determination of airflow propelled through an open personnel door by a positive pressure ventilator
ISO/TC 117	ISO/AWI 13351	Fans — Dimensions
ISO/TC 117	ISO/DIS 13350	Fans — Performance testing of jet fans
ISO/TC 117	ISO/AWI 13349	Fans — Vocabulary and definitions of categories
ISO/TC 117	ISO/CD 13348	Industrial fans — Tolerances, methods of conversion and technical data presentation
ISO/TC 117	ISO/FDIS 12759-5	Fans — Efficiency classification for fans — Part 5: Jet fans
ISO/TC 117	ISO/AWI 12759-1	Fans — Efficiency classification for fans — Part 1: General requirements

CT 242 "Materiali, componenti e sistemi per la depurazione e la filtrazione di aria, gas e fumi"

Organo Tecnico	Codice Norma	Titolo Norma
CEN/TC 195	prEN ISO 12249-2	Particulate air filters for general ventilation - Part 2: Method of calculation for the energy performance of air cleaning devices and for the classification of the energy performance
CEN/TC 195	prEN ISO 29461-1	Air intake filter systems for rotary machinery - Test methods - Part 1: Static filter elements (ISO/DIS 29461-1:2020)
CEN/TC 195	prEN ISO 29463-5 rev	ISO 29463-5 High-efficiency filters and filter media for removing particles in air - Part 5: Test method for filter elements
CEN/TC 195	prEN 15805	Particulate air filters for general ventilation - Standardised dimensions
CEN/TC 195	prEN ISO 10121-3	EN ISO 10121- 3 Test method for assessing the performance of gas-phase air cleaning media and devices for general ventilation - Part 3: Classification system for treatment of make up air
CEN/TC 195	prEN ISO 29462	Field testing of general ventilation filtration devices and systems for in situ removal efficiency by particle size and resistance to airflow (ISO/DIS 29462:2020)
CEN/TC 195	prEN ISO 16890-2	Air filters for general ventilation - Part 2: Measurement of fractional efficiency and air flow resistance (ISO/DIS 16890-2:2020)
CEN/TC 195	prEN ISO 16890-4	Air filters for general ventilation - Part 4: Conditioning method to determine the minimum fractional test efficiency (ISO/DIS 16890-4:2020)
CEN/TC 195	prEN ISO 16890-5	EN ISO 16890-5 Air filters for general ventilation — Part 5: Measurement of fractional efficiency and air flow resistance for flat sheet filter media
ISO/TC 142	ISO/CD 10121-3	Test method for assessing the performance of gas-phase air cleaning media and devices for general ventilation — Part 3: Classification system for treatment of make up air
ISO/TC 142	ISO/DIS 16890-2	Air filters for general ventilation — Part 2: Measurement of fractional efficiency and air flow resistance
ISO/TC 142	ISO/DIS 16890-4	Air filters for general ventilation — Part 4: Conditioning method to determine the minimum fractional test efficiency
ISO/TC 142	ISO/AWI 16890-5	Air filters for general ventilation — Part 5: Measurement of fractional efficiency and air flow resistance for flat sheet filter media

CT 242 "Materiali, componenti e sistemi per la depurazione e la filtrazione di aria, gas e fumi"

Organo Tecnico	Codice Norma	Titolo Norma
ISO/TC 142	ISO/AWI 23137-1	Requirements for aerosol filters used in nuclear facilities against specified severe conditions — Part 1: General requirements
ISO/TC 142	ISO/AWI 23138	Biological equipment for treating air and other gases — General requirements
ISO/TC 142	ISO/AWI 23139	Biological equipment for treating air and other gases-Application guidance for deodorization in wastewater treatment plants
ISO/TC 142	ISO/DIS 29461-1	Air intake filter systems for rotary machinery — Test methods — Part 1: Static filter elements
ISO/TC 142	ISO/AWI 29461-3	Air filter intake systems for rotary machinery — Test methods — Part 3: Mechanical integrity of filter elements
ISO/TC 142	ISO/CD 29461-7	Air filter intake systems for rotary machinery — Test methods — Part 7: Filter element endurance test in fog and mist environments
ISO/TC 142	ISO/DIS 29462	Field testing of general ventilation filtration devices and systems for in situ removal efficiency by particle size and resistance to airflow
ISO/TC 142	ISO/CD 29463-5	ISO 29463-5 High-efficiency filters and filter media for removing particles in air — Part 5: Test method for filter elements
ISO/TC 142	IEC/AWI 63086-2-1	Household and similar electrical air cleaning appliances - Methods for measuring the performance — Part 2-1: Particular requirements for determination of reduction of particles
ISO/TC 142	IEC/AWI 63086-2-6	Household and similar electrical air cleaning appliances – Methods for measuring the performance — Part 2-6: Particular requirements for fresh-air air cleaners

CT 243 "Impianti di raffrescamento: pompe di calore, condizionatori, scambiatori, compressori"

Organo Tecnico	Codice Norma	Titolo Norma
CT 243	UNI 10389-3	Misurazioni in campo - Generatori di calore - Parte 3: Macchine frigorifere/pompa di calore
CEN/TC 110	prEN 308	Heat exchangers - Test procedures for establishing performance of air to air and flue gases heat recovery devices
CEN/TC 113	FprEN 1397	Heat exchangers - Hydronic room fan coil units - Test procedures for establishing the performance
CEN/TC 113		EN 15879-2, Testing and rating of direct exchange ground coupled heat pumps with electrically driven compressors for space heating and/or cooling. Part 2: Water(brine)-to-direct exchange and direct exchange-to-direct exchange heat pumps
CEN/TC 113	prEN 14511-2	Air conditioners, liquid chilling packages and heat pumps for space heating and cooling and process chillers, with electrically driven compressors - Part 2: Test conditions
CEN/TC 113	prEN 14511-3	Air conditioners, liquid chilling packages and heat pumps for space heating and cooling and process chillers, with electrically driven compressors - Part 3: Test methods
CEN/TC 113	prEN 14511-1	Air conditioners, liquid chilling packages and heat pumps for space heating and cooling and process chillers, with electrically driven compressors - Part 1: Terms and definitions
CEN/TC 113	prEN 12102-1 rev	Air conditioners, liquid chilling packages, heat pumps, process chillers and dehumidifiers with electrically driven compressors - Determination of the sound power level - Part 1: Air conditioners, liquid chilling packages, heat pumps for space heating and cooling, dehumidifiers and process chillers
CEN/TC 113	EN 16147:2017/FprA1	Heat pumps with electrically driven compressors - Testing, performance rating and requirements for marking of domestic hot water units

CT 243 "Impianti di raffrescamento: pompe di calore, condizionatori, scambiatori, compressori"

Organo Tecnico	Codice Norma	Titolo Norma
CEN/TC 113	prEN 14825	Air conditioners, liquid chilling packages and heat pumps, with electrically driven compressors, for space heating and cooling - Testing and rating at part load conditions and calculation of seasonal performance
CEN/TC 113	prEN 17625	Roof-top units
CEN/TC 113	prEN 14511-4	Air conditioners, liquid chilling packages and heat pumps for space heating and cooling and process chillers, with electrically driven compressors - Part 4: Requirements
CEN/TC 113	FprEN 16583	Heat exchangers - Hydronic room fan coils units - Determination of the sound power level
ISO/TC 86/SC 6	ISO/AWI 5222-1	Heat recovery ventilators and energy recovery ventilators-Testing and calculating methods for seasonal performance factor — Part 1: Sensible heating recovery seasonal performance factors of HRV
ISO/TC 86/SC 6	ISO/FDIS 13256-1	Water-source heat pumps — Testing and rating for performance — Part 1: Water-to-air and brine-to-air heat pumps
ISO/TC 86/SC 6	ISO/FDIS 13256-2	Water-source heat pumps — Testing and rating for performance — Part 2: Water-to-water and brine-to-water heat pumps
ISO/TC 86/SC 6	ISO/CD 16494	Heat recovery ventilators and energy recovery ventilators — Method of test for performance
ISO/TC 86/SC 6	ISO 18326:2018/FDAMD 1	Non-ducted portable air-cooled air conditioners and air-to-air heat pumps having a single exhaust duct — Testing and rating for performance — Amendment 1
ISO/TC 86/SC 6	ISO/PRF 21773	Methods of test and characterization of performance for energy recovery components

CT 244 "Impianti frigoriferi: sicurezza e protezione dell'ambiente"

Organo Tecnico	Codice Norma	Titolo Norma
CEN/TC 182	prEN ISO 22712	Refrigerating systems and heat pumps - Competence of personnel (ISO/DIS 22712:2018)
CEN/TC 182	prEN ISO 21922	Refrigerating systems and heat pumps - Valves - Requirements, testing and marking (ISO/DIS 21922:2018)
CEN/TC 182	EN 378-2:2016/prA1	Refrigerating systems and heat pumps - Safety and environmental requirements - Part 2: Design, construction, testing, marking and documentation
CEN/TC 182	prCEN/TR 17608	State of the art on the use of flammable refrigerant alternatives, in particular from class A3, in refrigeration, air conditioning and heat pump equipment
CEN/TC 182	CEN/TS 17606:2021	Installation of refrigeration, air conditioning and heat pump equipment containing flammable refrigerants, complementing existing standards
CEN/TC 182	CEN/TS 17607:2021	Operation, servicing, maintenance, repair and decommissioning of refrigeration, air conditioning and heat pump equipment containing flammable refrigerants, complementing existing standards
CEN/TC 182	EN ISO 14903:2017/prA1	Refrigerating systems and heat pumps - Qualification of tightness of components and joints - Amendment 1
CEN/TC 182	prEN ISO 24664 rev	Refrigerating systems and heat pumps - Pressure relief devices and their associated piping - Methods for calculation
CEN/TC 182	prEN 12693 rev	Refrigerating systems and heat pumps - Safety and environmental requirements - Positive displacement refrigerant compressors
ISO/TC 86/SC 1	ISO/DIS 24664	Refrigerating systems and heat pumps — Pressure relief devices and their associated piping — Methods for calculation

CT 244 "Impianti frigoriferi: sicurezza e protezione dell'ambiente"

Organo Tecnico	Codice Norma	Titolo Norma
ISO/TC 86/SC 1	ISO/DIS 22712	Refrigerating systems and heat pumps — Competence of personnel
ISO/TC 86/SC 1	ISO/FDIS 21922	Refrigerating systems and heat pumps — Valves — Requirements, testing and marking
ISO/TC 86/SC 1	ISO 14903:2017/AWI AMD 1	Refrigerating systems and heat pumps — Qualification of tightness of components and joints — Amendment 1
ISO/TC 86/SC 1	ISO/AWI 5149-4	Refrigerating systems and heat pumps — Safety and environmental requirements — Part 4: Operation, maintenance, repair and recovery
ISO/TC 86/SC 1	ISO 5149-3:2014/FDAMD 1	Refrigerating systems and heat pumps — Safety and environmental requirements — Part 3: Installation site — Amendment 1: Update of the requirements for machinery rooms and emergency mechanical ventilation
ISO/TC 86/SC 8	ISO 817:2014/PRF AMD 2	Refrigerants — Designation and safety classification — Amendment 2
ISO/TC 86/SC 8	ISO/DIS 17584	Refrigerant properties
ISO/TC 86/SC 8	ISO/WD PAS 24499	Method of test for burning velocity measurement of A2L flammable gases

CT 245 "Impianti frigoriferi: refrigerazione industriale e commerciale"

Organo Tecnico	Codice Norma	Titolo Norma
CEN/TC 44	FprEN 17432	Packaged refrigerating units for walk-in cold rooms - Classification, performance and energy consumption testing
CEN/TC 44	rEN ISO 22044	Commercial beverage coolers - Classification, requirements and test conditions (ISO/DIS 22044:2020)
CEN/TC 44	FprEN ISO 22042	Blast chillers and freezers cabinets for professional use - Classification, requirements and test conditions (ISO/FDIS 22042:2020)
CEN/TC 44	prEN ISO 23953-1 rev	Refrigerated display cabinets - Part 1: Vocabulary
CEN/TC 44	prEN ISO 23953-2 rev	Refrigerated display cabinets - Part 2: Classification, requirements and test conditions
ISO/TC 86/SC 7	ISO/FDIS 22042	Blast chillers and freezers cabinets for professional use — Classification, requirements and test conditions
ISO/TC 86/SC 7	ISO/DIS 22044	Commercial beverage coolers — Classification, requirements and test conditions
ISO/TC 86/SC 7	ISO/AWI 23953-1	Refrigerated display cabinets — Part 1: Vocabulary
ISO/TC 86/SC 7	ISO/AWI 23953-2	Refrigerated display cabinets — Part 2: Classification, requirements and test conditions

CT 246 "Metodologie di prova e requisiti per mezzi di trasporto coibentati - Interfaccia CEN/TC 413 - Commissione Mista CTI-CUNA"

Organo Tecnico	Codice Norma	Titolo Norma
CEN/TC 413	prEN 16440-2	Testing methodologies for refrigerating devices for insulated means of transport - Part 2: Eutectic cooling devices



RISCALDAMENTO

CT 251 "Impianti di riscaldamento - Progettazione, fabbisogni di energia e sicurezza (UNI/TS 11300-2 e 11300-4)"

Organo Tecnico	Codice Norma	Titolo Norma
CT 251	UNI/TS 11300-3-1	Prestazione energetica degli edifici - Sottosistemi di utilizzazione - Emissione
CT 251	UNI/TS 11300-3-2	Prestazione energetica degli edifici - Sottosistemi di utilizzazione - Distribuzione
CT 251	UNI/TS 11300-3-3	Prestazione energetica degli edifici - Sottosistemi di utilizzazione - Accumulo termico
CT 251	UNI/TS 11300-3-4	Prestazione energetica degli edifici - Sottosistemi di utilizzazione - Recupero di calore dai piatti doccia
CT 251	UNI/TS 11300-4-1	Prestazione energetica degli edifici - Sottosistemi di generazione - Pompe di calore
CT 251	UNI/TS 11300-4-2	Prestazione energetica degli edifici - Sottosistemi di generazione - Cogenerazione
CEN/TC 228		Heating systems and water based cooling systems in buildings - Heat recovery from waste water
CEN/TC 228		Heating systems and water based cooling systems in buildings – Design for water based cooling systems
CEN/TC 228	prEN ISO 11855-1	Building environment design - Embedded radiant heating and cooling systems - Part 1: Definitions, symbols, and comfort criteria (ISO/DIS 11855-1:2020)
CEN/TC 228	prEN ISO 11855-3	Building environment design - Embedded radiant heating and cooling systems - Part 3: Design and dimensioning (ISO/DIS 11855-3:2020)
CEN/TC 228	prEN ISO 11855-4	Building environment design - Embedded radiant heating and cooling systems - Part 4: Dimensioning and calculation of the dynamic heating and cooling capacity of Thermo Active Building Systems (TABS) (ISO/DIS 11855-4:2020)
CEN/TC 228	prEN ISO 11855-5	Building environment design - Embedded radiant heating and cooling systems - Part 5: Installation (ISO/DIS 11855-5:2020)
CEN/TC 228	prEN 14336 rev	Heating systems and water based cooling systems in buildings - Installation and commissioning of water based heating systems
CEN/TC 228	prEN ISO 11855-2	Building environment design - Embedded radiant heating and cooling systems - Part 2: Determination of the design heating and cooling capacity (ISO/DIS 11855-2:2020)
CEN/TC 228	EN 15316-4-2:2017/prA1	Energy performance of buildings - Method for calculation of system energy requirements and system efficiencies - Part 4-2: Space heating generation systems, heat pump systems, Module M3-8-2, M8-8-2
CEN/TC 228	EN 15316-4-8:2017/prA1	Energy performance of buildings - Method for calculation of system energy requirements and system efficiencies - Part 4-8: Space heating generation systems, air heating and overhead radiant heating systems, including stoves (local), Module M3-8-8
CEN/TC 228	EN 15316-5:2017/prA1	Energy performance of buildings - Method for calculation of system energy requirements and system efficiencies - Part 5: Space heating and DHW storage systems (not cooling), Module M3-7, M8-7
CEN/TC 228	EN 15316-4-4:2017/prA1	Energy performance of buildings - Method for calculation of system energy requirements and system efficiencies - Part 4-4: Heat generation systems, building-integrated cogeneration systems, Module M8-3-4, M8-8-4, M8-11-4

CT 251 "Impianti di riscaldamento - Progettazione, fabbisogni di energia e sicurezza (UNI/TS 11300-2 e 11300-4)"

Organo Tecnico	Codice Norma	Titolo Norma
CEN/TC 228	EN 15316-4-1:2017/prA1	Energy performance of buildings - Method for calculation of system energy requirements and system efficiencies - Part 4-1: Space heating and DHW generation systems, combustion systems (boilers, biomass), Module M3-8-1, M8-8-1
CEN/TC 228	EN 12831-3:2017/prA1	Energy performance of buildings - Method for calculation of the design heat load - Part 3: Domestic hot water systems heat load and characterisation of needs, Module M8-2, M8-3
ISO/TC 205	ISO/AWI 24359-1	Building commissioning process planning — Part 1: New buildings
ISO/TC 205	ISO/DTS 23764	Approach for non-residential Zero Energy Buildings (ZEB)

CT 252 "Impianti di riscaldamento - Esercizio, conduzione, manutenzione, misure in campo e ispezioni"

Organo Tecnico	Codice Norma	Titolo Norma
CT 252	UNI 10389-2	Misurazioni in campo - Generatori di calore - Parte 2: Apparecchi alimentati a biocombustibile solido non polverizzato
CT 252	UNI 10389-4	Misurazioni in campo - Generatori di calore - Parte 4: Impianti di teleriscaldamento e teleraffrescamento

CT 253 "Componenti degli impianti di riscaldamento - Produzione del calore, generatori a combustibili liquidi, gassosi e solidi"

Organo Tecnico	Codice Norma	Titolo Norma
CT 253		Caratteristiche e trattamento delle acque dei circuiti di raffreddamento e di umidificazione
CT 253	prUNI 10412	Impianti di riscaldamento ad acqua calda - Requisiti di sicurezza - Requisiti specifici per impianti con generatori di calore alimentati da combustibili liquidi, gassosi, solidi polverizzati o con generatori di calore elettrici
CEN/TC 47	EN 12514:2020/AC:2021	Components for supply systems for consuming units with liquid fuels
CEN/TC 47	prEN ISO 23553-1	Safety and control devices for oil burners and oil-burning appliances - Particular requirements - Part 1: Automatic and semi-automatic valves (ISO/DIS 23553-1:2020)
CEN/TC 57	EN 303-5:2021	Heating boilers - Part 5: Heating boilers for solid fuels, manually and automatically stoked, nominal heat output of up to 500 kW - Terminology, requirements, testing and marking
CEN/TC 57		Central heating boilers — Main Specification for indirectly heated unvented (closed) metallic pressurized buffer tanks — Requirements, testing and marking
CEN/TC 57	EN 303-6:2019/prA1	Heating boilers - Part 6: Heating boilers with forced draught burners - Specific requirements for the domestic hot water operation and energy performance of water heaters and combination boilers with atomizing oil burners of nominal heat input not exceeding 70 kW
CEN/TC 57	EN 15332:2019/prA1	Heating boilers - Energy assessment of hot water storage tanks

CT 254 "Componenti degli impianti di riscaldamento - Emissione del calore (radiatori, convettori, pannelli a pavimento, soffitto, parete, strisce radianti)"

Organo Tecnico	Codice Norma	Titolo Norma
CEN/TC 130	FprEN 1264-1	Water based surface embedded heating and cooling systems - Part 1: Definitions and symbols
CEN/TC 130	FprEN 1264-4	Water based surface embedded heating and cooling systems - Part 4: Installation
CEN/TC 130	FprEN 1264-5	Water based surface embedded heating and cooling systems - Part 5: Determination of the thermal output for wall and ceiling heating and for floor, wall and ceiling cooling

CT 254 “Componenti degli impianti di riscaldamento - Emissione del calore (radiatori, convettori, pannelli a pavimento, soffitto, parete, strisce radianti)”

Organo Tecnico	Codice Norma	Titolo Norma
CEN/TC 130	FprEN 1264-2	Water based surface embedded heating and cooling systems - Part 2: Floor heating: Methods for the determination of the thermal output using calculations and experimental tests
CEN/TC 130	FprEN 1264-3	Water based surface embedded heating and cooling systems - Part 3: Dimensioning
ISO/TC 205	ISO/AWI 24365	Radiators and convectors — Methods and rating for determining the heat output
ISO/TC 205	ISO/DIS 52032-1	Energy performance of buildings — Energy requirements and efficiencies of heating, cooling and DHW distribution systems — Part 1: Calculation procedures

CT 256 “Impianti geotermici a bassa temperatura con pompa di calore”

Organo Tecnico	Codice Norma	Titolo Norma
CEN/TC 451	prEN 17522	Design and construction of borehole heat exchangers

CT 257 “Stufe, caminetti e barbecue ad aria e acqua (con o senza caldaia incorporata)”

Organo Tecnico	Codice Norma	Titolo Norma
CT 257	prUNI 10683	Generatori di calore alimentati a legna o altri biocombustibili solidi - Verifica, installazione, controllo e manutenzione
CEN/TC 281	prEN 1860-2 rev	Appliances, solid fuels and firelighters for barbecuing - Part 2: Barbecue charcoal and barbecue charcoal briquettes - Requirements and test methods
CEN/TC 281	prEN 1860-3 rev	Appliances, solid fuels and firelighters for barbecuing - Part 3: Firelighters for igniting solid fuels for use in barbecue appliances - Requirements and test method
CEN/TC 281	prEN 1860-4 rev	Appliances, solid fuels and firelighters for barbecuing - Part 4: Single use barbecues burning solid fuels - Requirements and test methods
CEN/TC 295	prEN 16510-2-6	Residential solid fuel burning appliances - Part 2-6: Mechanically by wood pellets fed roomheaters, inset appliances and cookers
CEN/TC 295	prEN 16510-2-4	Residential solid fuel burning appliances - Part 2-4: Independent boilers - Nominal heat output up to 50 kW
CEN/TC 295	prEN 16510-2-1	Residential solid fuel burning appliances - Part 2-1: Roomheaters
CEN/TC 295	prEN 16510-2-2	Residential solid fuel burning appliances - Part 2-2: Inset appliances including open fires
CEN/TC 295	prEN 16510-2-3	Residential solid fuel burning appliances - Part 2-3: Cookers
CEN/TC 295	prEN 16510-1	Residential solid fuel burning appliances - Part 1: General requirements and test methods
CEN/TC 295	prEN 15544 rev	One off Kachelgrundöfen/Putzgrundöfen (tiled/mortared stoves) - Dimensioning

CT 258 “Canne fumarie”

Organo Tecnico	Codice Norma	Titolo Norma
CT 258		Impianti alimentati a combustibile liquido e solido, per uso civile, in esercizio - Linee guida per la verifica dell'idoneità al funzionamento in sicurezza dei sistemi di evacuazione dei prodotti della combustione.
CEN/TC 166	prEN 1856-1	Chimneys - Requirements for metal chimneys - Part 1: System chimney products
CEN/TC 166	prEN 1856-2	Chimneys - Requirements for metal chimneys - Part 2: Metal flue liners and connecting flue pipes

CT 258 "Canne fumarie"

Organo Tecnico	Codice Norma	Titolo Norma
CEN/TC 166	prEN 15287-1 rev	Chimneys - Design, installation and commissioning of chimneys - Part 1: Chimneys for non-roomsealed heating appliances
CEN/TC 297	prEN 13084-9	Free-standing chimneys - Part 9: Lifetime management - Monitoring, inspection, maintenance, remedial and reporting; Operations and actions required



SICUREZZA DI PROCESSO NEGLI IMPIANTI INDUSTRIALI

CT 266 "Sicurezza degli impianti a rischio di incidente rilevante"

Organo Tecnico	Codice Norma	Titolo Norma
CT 266	UNI 10616 rev	Stabilimenti con pericolo di incidente rilevante - Sistemi di gestione della sicurezza - Linee guida per l'applicazione della UNI 10617
CT 266	UNI/TS	Linee guida per la gestione di eventi NaTech nell'ambito degli stabilimenti con pericolo di incidente rilevante



MISURA e CONTABILIZZAZIONE DEL CALORE

CT 271 "Contabilizzazione del calore"

Organo Tecnico	Codice Norma	Titolo Norma
TC 271		Linea guida per la valutazione tecnico-economica per l'installazione dei sistemi di contabilizzazione e termoregolazione
TC 271		Metodologie per la misura dell'energia termica assorbita e rilasciata negli impianti di climatizzazione centralizzati
CEN/TC 176	prEN 1434-4	Thermal energy meters - Part 4: Pattern approval tests
CEN/TC 176	prEN 1434-6	Thermal energy meters - Part 6: Installation, commissioning, operational monitoring and maintenance
CEN/TC 176	prEN 1434-1	Thermal energy meters - Part 1: General requirements
CEN/TC 176	prEN 1434-2	Thermal energy meters - Part 2: Constructional requirements
CEN/TC 176	prEN 1434-5	Thermal energy meters - Part 5: Initial verification tests



FONTI ENERGETICHE e SOSTENIBILITÀ

CT 281 "Energia solare"

Organo Tecnico	Codice Norma	Titolo Norma
CEN/TC 312	FprEN 12975	Solar collectors - General requirements
CEN/TC 312	FprEN 12976-1:2018	Thermal solar systems and components - Factory made systems - Part 1: General requirement
CEN/TC 312	prEN ISO 9488	Solar energy - Vocabulary (ISO/DIS 9488:2020)
CEN/TC 312	prEN ISO 24194	Solar energy — Collector fields — Check of performance

CT 281 "Energia solare"

Organo Tecnico	Codice Norma	Titolo Norma
ISO/TC 180	ISO/DIS 9488	Solar energy — Vocabulary
ISO/TC 180	ISO/AWI 22975-4	Solar energy — Collector components and materials — Part 4: Part 4: Glazing material durability and performance
ISO/TC 180	ISO/CD 9845-1	Solar energy — Reference solar spectral irradiance at the ground at different receiving conditions — Part 1: Direct normal and hemispherical solar irradiance for air mass 1,5
ISO/TC 180	ISO/AWI 9847	Solar energy — Calibration of field pyranometers by comparison to a reference pyranometer
ISO/TC 180	ISO/DTR 9901	Solar energy — Field pyranometers — Recommended practice for use
ISO/TC 180	ISO/CD 24194	Solar energy — Collector fields — Check of performance

CT 282 "Biocombustibili solidi"

Organo Tecnico	Codice Norma	Titolo Norma
CEN/TC 335	prEN ISO 17225-7	Solid biofuels - Fuel specifications and classes - Part 7: Graded non-woody briquettes (ISO/DIS 17225-7:2020)
CEN/TC 335	EN ISO 18135:2017/prA1	Solid Biofuels - Sampling - Amendment 1
CEN/TC 335	FprEN ISO 17225-1	Solid biofuels - Fuel specifications and classes - Part 1: General requirements (ISO/DIS 17225-1:2020)
CEN/TC 335	FprEN ISO 17225-2	Solid biofuels - Fuel specifications and classes - Part 2: Graded wood pellets (ISO/FDIS 17225-2:2020)
CEN/TC 335	FprEN ISO 17225-3	Solid biofuels - Fuel specifications and classes - Part 3: Graded wood briquettes (ISO/FDIS 17225-3:2020)
CEN/TC 335	FprEN ISO 17225-4	Solid biofuels - Fuel specifications and classes - Part 4: Graded wood chips (ISO/FDIS 17225-4:2020)
CEN/TC 335	prEN ISO 17225-5	Solid biofuels - Fuel specifications and classes - Part 5: Graded firewood (ISO/DIS 17225-5:2020)
CEN/TC 335	prEN ISO 17225-6	Solid biofuels - Fuel specifications and classes - Part 6: Graded non-woody pellets (ISO/DIS 17225-6:2020)
CEN/TC 335	prEN ISO 16559	Solid biofuels - Terminology, definitions and descriptions (ISO/DIS 16559:2020)
CEN/TC 335	FprEN ISO 23343-1	Solid biofuels - Determination of water sorption and its effect on durability of thermally treated biomass fuels - Part 1: Pellets (ISO/FDIS 23343-1:2021)
CEN/TC 335	prCEN ISO/TS 20049-2	Solid biofuels - Determination of self-heating of pelletized biofuels - Part 2: Basket heating tests
CEN/TC 335	prEN ISO 20048-2	Solid biofuels - Determination of off-gassing and oxygen depletion characteristics - Part 2: Operational method for screening of carbon monoxide off-gassing
CEN/TC 335	prCEN ISO/TS 21596	Solid biofuels — Determination of grindability — Hardgrove type method for thermally treated biomass fuels
CEN/TC 335	prCEN ISO/TS 20048-1	Solid biofuels - Determination of off-gassing and oxygen depletion characteristics - Part 1: Laboratory method for the determination of off-gassing and oxygen depletion using closed con-ainers
CEN/TC 335	prEN ISO 17225-9	Solid biofuels - Fuel specifications and classes - Part 9: Graded hog fuel and wood chips for industrial use (ISO/DIS 17225-9:2020)
CEN/TC 335	prEN ISO 5370	Solid biofuels -- Determination of fines content in pellets
ISO/TC 238	ISO/AWI 5370	Solid biofuels — Determination of fines content in pellets
ISO/TC 238	ISO/DIS 16559	Solid biofuels — Terminology, definitions and descriptions

CT 282 "Biocombustibili solidi"

Organo Tecnico	Codice Norma	Titolo Norma
ISO/TC 238	ISO 17225-1	Solid biofuels — Fuel specifications and classes — Part 1: General requirements
ISO/TC 238	ISO 17225-2	Solid biofuels — Fuel specifications and classes — Part 2: Graded wood pellets
ISO/TC 238	ISO 17225-3	Solid biofuels — Fuel specifications and classes — Part 3: Graded wood briquettes
ISO/TC 238	ISO 17225-4	Solid biofuels — Fuel specifications and classes — Part 4: Graded wood chips
ISO/TC 238	ISO/FDIS 17225-5	Solid biofuels — Fuel specifications and classes — Part 5: Graded firewood
ISO/TC 238	ISO/FDIS 17225-6	Solid biofuels — Fuel specifications and classes — Part 6: Graded non-woody pellets
ISO/TC 238	ISO/FDIS 17225-7	Solid biofuels — Fuel specifications and classes — Part 7: Graded non-woody briquettes
ISO/TC 238	ISO/DIS 17225-9	Solid biofuels — Fuel specifications and classes — Part 9: Graded hog fuel and wood chips for industrial use
ISO/TC 238	ISO 18135:2017/AWI AMD 1	Solid Biofuels — Sampling — Amendment 1
ISO/TC 238	ISO/CD 20048-2	Solid biofuels — Determination of off-gassing and oxygen depletion characteristics — Part 2: Operational method for screening of carbon monoxide off-gassing
ISO/TC 238	ISO/CD TS 21596	Solid biofuels — Determination of grindability — Hardgrove type method for thermally treated biomass fuels
ISO/TC 238	ISO/FDIS 23343-1	Solid biofuels — Determination of water sorption and its effect on durability of thermally treated biomass fuels — Part 1: Pellets

CT 283 "Energia dai rifiuti"

Organo Tecnico	Codice Norma	Titolo Norma
CT 283		Caratterizzazione dei rifiuti e dei CSS in termini di contenuto di biomassa ed energetico
CT 283		Impianti di co-combustione, incenerimento e co-incenerimento - Determinazione della frazione di energia rinnovabile prodotta dall'impianto mediante la misura del 14C al camino
CEN/TC 343	FprEN ISO 21912	Solid recovered fuels - Safe handling and storage of solid recovered fuels (ISO/FDIS 21912:2020)
CEN/TC 343	FprEN ISO 21660-3	Solid recovered fuels - Determination of moisture content using the oven dry method - Part 3: Moisture in general analysis sample (ISO/FDIS 21660-3:2020)
CEN/TC 343	FprEN ISO 21640	Solid recovered fuels - Specifications and classes (ISO/FDIS 21640:2021)
CEN/TC 343	FprEN ISO 21654	Solid recovered fuels - Determination of calorific value (ISO/FDIS 21654:2020)
CEN/TC 343	FprEN ISO 21645	Solid recovered fuels - Methods for sampling (ISO/FDIS 21645:2020)
CEN/TC 343	prEN ISO 21911-1	Solid recovered fuels - Determination of self-heating - Part 1: Isothermal calorimetry
CEN/TC 343	FprEN ISO 21656	Solid recovered fuels - Determination of ash content (ISO/FDIS 21656:2020)
CEN/TC 343	FprEN ISO 22167	Solid recovered fuels - Determination of content of volatile matter (ISO/FDIS 22167:2020)
CEN/TC 343	prEN ISO 21646	Solid recovered fuels - Sample preparation (ISO/DIS 21646:2020)

CT 283 "Energia dai rifiuti"

Organo Tecnico	Codice Norma	Titolo Norma
CEN/TC 343	prEN ISO 4349	Solid recovered fuels – Method for the determination of the Recycling-Index
CEN/TC 343	prEN ISO 22940	Solid recovered fuels - Determination of elemental composition by X-ray fluorescence (ISO/DIS 22940:2020)
CEN/TC 343	prCEN ISO/TS 21911-2	Solid recovered fuels - Determination of self-heating - Part 2: Basket heating tests
ISO/TC 300	ISO/DIS 22940	Solid recovered fuels — Determination of elemental composition by X-ray fluorescence
ISO/TC 300	ISO 22167	Solid recovered fuels — Determination of content of volatile matter
ISO/TC 300	ISO/PRF TR 21916	Solid recovered fuels — Guidance for specification of solid recovered fuels (SRF) for selected uses
ISO/TC 300	ISO 21912	Solid recovered fuels — Safe handling and storage of solid recovered fuels
ISO/TC 300	ISO/AWI TS 21911-2	Solid recovered fuels — Determination of self-heating — Part 2: Part 2: Basket heating test
ISO/TC 300	ISO/CD 21911-1	Solid recovered fuels — Determination of self-heating — Part 1: Isothermal calorimetry
ISO/TC 300	ISO 21660-3	Solid recovered fuels — Determination of moisture content using the oven dry method — Part 3: Moisture in general analysis sample
ISO/TC 300	ISO 21656	Solid recovered fuels — Determination of ash content
ISO/TC 300	ISO/FDIS 21654	Solid recovered fuels — Determination of calorific value
ISO/TC 300	ISO/DIS 21646	Solid recovered fuels — Sample preparation
ISO/TC 300	ISO 21645	Solid recovered fuels — Methods for sampling
ISO/TC 300	ISO/FDIS 21640	Solid recovered fuels — Specifications and classes
ISO/TC 300	ISO/AWI 4349	Solid recovered fuels — Method for the determination of the Recycling-Index

CT 284 "Biogas da fermentazione anaerobica e syngas biogenico"

Organo Tecnico	Codice Norma	Titolo Norma
CT 284		Classificazione e specifiche dei prodotti organici ottenuti dal trattamento e recupero di rifiuti agricoli, alimentari e agro-alimentari di cui all'elenco delle specifiche all'appendice A destinati agli impianti di biodigestione anaerobica
ISO/TC 255	ISO/AWI TR 23585	Safety and Environment Guidelines for Biogas
ISO/TC 255	ISO/AWI 23898	Gasification systems for bio-syngas and biomethane production
ISO/TC 255	ISO/DIS 24252	Biogas systems — Non-household and non-gasification

CT 285 "Bioliquidi per uso energetico"

Organo Tecnico	Codice Norma	Titolo Norma
CT 285		Classificazione e specifiche dei sottoprodotti per uso energetico - Sottoprodotti del processo di raffinazione degli oli e grassi animali e vegetali

CT 287 "Combustibili liquidi fossili, serbatoi non in pressione e stazioni di servizio"

Organo Tecnico	Codice Norma	Titolo Norma
CEN/TC 265	prEN 14015 rev	Specification for the design and manufacture of site built, vertical, cylindrical, flat-bottomed, above ground, welded, steel tanks for the storage of liquids at ambient temperature and above
CEN/TC 393	FprEN 13617-1	Petrol filling stations - Part 1: Safety requirements for construction and performance of metering pumps, dispensers and remote pumping units
CEN/TC 393	FprEN 13617-2	Petrol filling stations - Part 2: Safety requirements for construction and performance of safe breaks for use on metering pumps and dispensers
CEN/TC 393	FprEN 13617-3	Petrol filling stations - Part 3: Safety requirements for construction and performance of shear valves
CEN/TC 393	FprEN 13617-4	Petrol filling stations - Part 4: Safety requirements for construction and performance of swivels for use on metering pumps and dispensers
CEN/TC 393	FprEN 13012	Petrol filling stations - Construction and performance of automatic nozzles for use on fuel dispensers



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