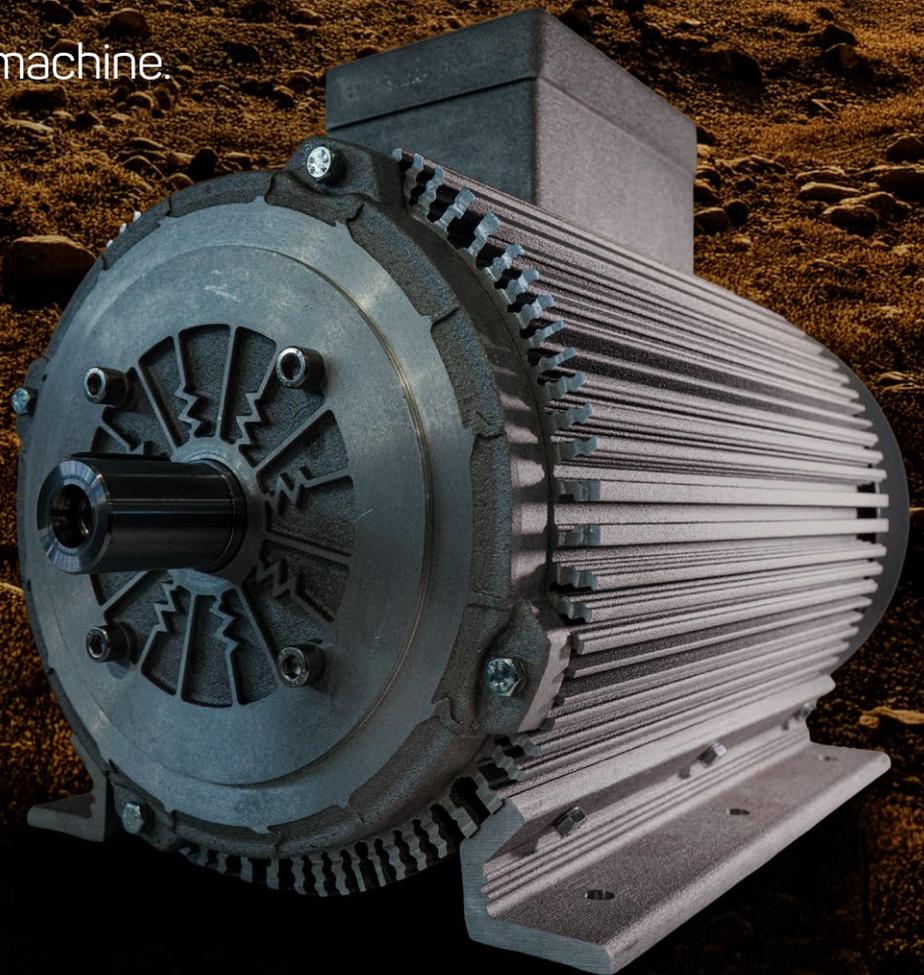




T-TYPE

TOTALLY ENCLOSED ALTERNATOR RANGE

The power behind the machine.



ENGINEERED FROM THE INSIDE OUT.

BUILT FOR THE JOBSITE.

Construction and heavy-duty environments are unforgiving. Dust, debris, direct water spray, cement particles and abrasive materials place constant stress on power generation equipment. When machines cannot stop, power cannot fail.

The Mecc Alte T-Type Totally Enclosed range has been engineered specifically for applications where contamination and ingress are the primary threats to reliability. By physically isolating the active components, T-Type delivers dependable performance in the harshest particulate and washdown environments.



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WHY TOTALLY ENCLOSED MATTERS



PHYSICAL PROTECTION. OPERATIONAL ADVANTAGE.



Prevents particulate ingress
(dust, cement, sand, debris)



Extends service intervals
in abrasive environments



Reduces contamination
related failures



Maintains performance stability
under harsh jobsite conditions



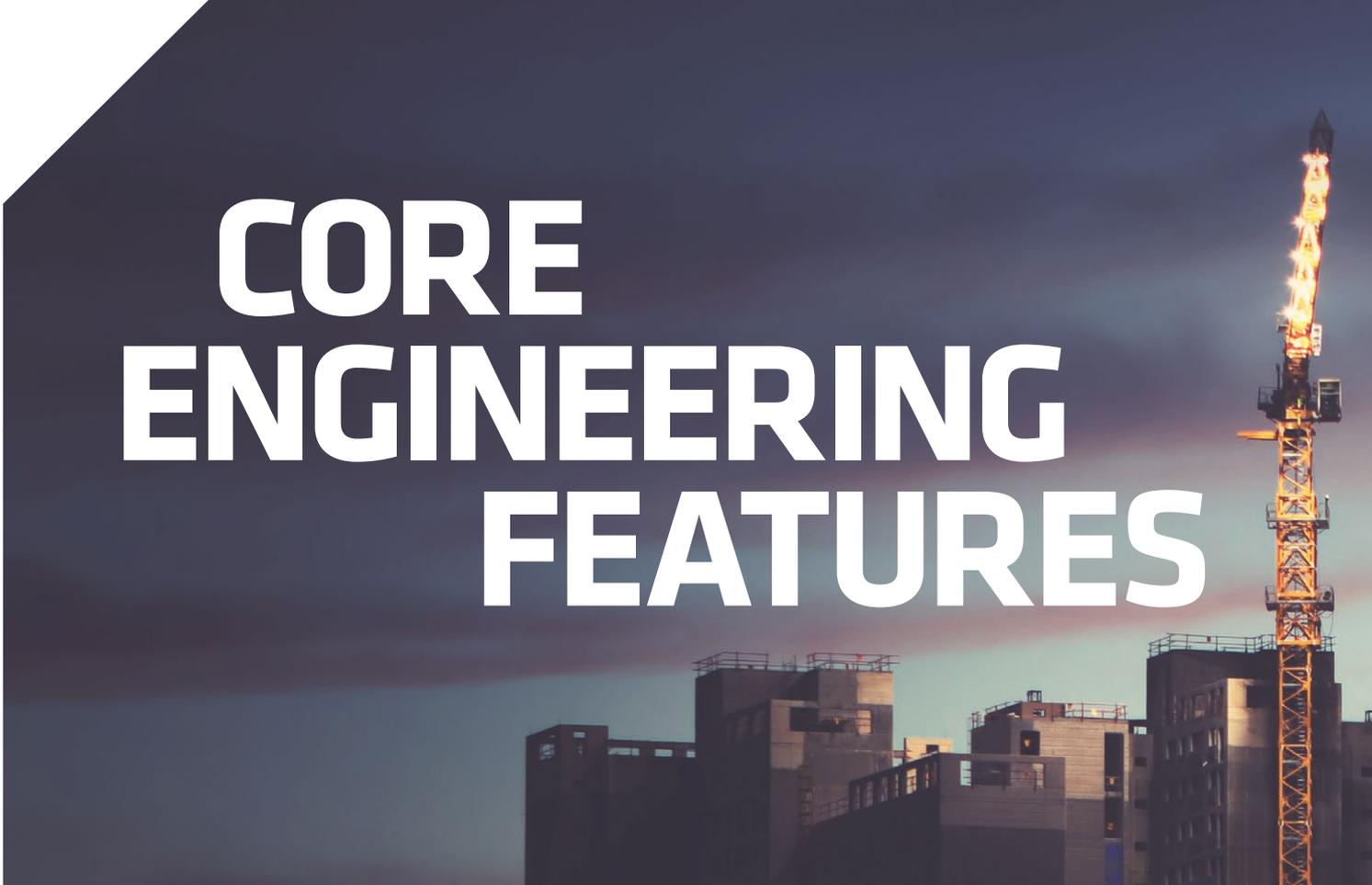
Protects against direct water
spray and washdown exposure



ENGINEERED FOR THE HARSHEST ENVIRONMENTS

Not all harsh environments are the same. Some attack through chemical corrosion, salinity and humidity. Others attack through physical contamination and direct ingress. T-Type is designed to defend mainly against contamination.

CORE ENGINEERING FEATURES



Totally enclosed brushless synchronous design

Standard IP54 protection – Optional IP67

Version: Three-phase/Dedicated Single-phase

Heavy-duty extruded aluminum frame (AlMgSi05)

Robust cast flanges (AL239)

Advanced voltage regulation options

Excitation system: MAUX (Auxiliary Winding)

Short-circuit capability >300% In for 10 seconds

High mechanical integrity shaft (C45)

Metal Terminal box

Standard Coupling available:

- TE3 (Conical J609B, B34, Hydraulic)
- TE28 (B34, SAE, Hydraulic)
- TE34 (B34)

Because T-Type reduces airflow compared to open machines, frame sizes are optimised to ensure thermal stability and long-term durability. This engineering approach prioritises uptime over compactness in contamination-heavy environments.

TE PRODUCT RANGE LINE-UP

2 POLES

MODEL	125/40 [H]	125/40 [H]
	Three-Phase Voltage: 115 / 200 / 230 / 400 V	Three-phase Voltage: 138 / 240 / 277 / 480 V
	kVA @ 50Hz - PF: 0.8	kVA @ 60Hz - PF: 0.8
TE3-90/2	7	8,4
TE3-110/2	9	10,8
TE3-145/2	12	14,4
TE3-190/2	15	18
TE3-230/2	20	24
TE3-300/2	25	30
TE3-340/2	28	33,6
TE28-180/2	25	30
TE28-250/2	35	42
TE28-360/2	50	60

4 POLES

MODEL	125/40 [H]	125/40 [H]
	Three-Phase Voltage: 115 / 200 / 230 / 400 V	Three-phase Voltage: 138 / 240 / 277 / 480 V
	kVA @ 50Hz - PF: 0.8	kVA @ 60Hz - PF: 0.8
TE3-140/4	6,5	7,8
TE3-175/4	9	10,8
TE3-200/4	12	14,4
TE3-240/4	15	18
TE28-180/4	20	24
TE28-200/4	22	26
TE28-250/4	26	31
TE28-270/4	28	33
TE28-320/4	33	39
TE28-370/4	38	45
TE28-400/4	40	48
TE34-1S/4	50	60
TE34-2S/4	60	72
TE34-1L/4	70	84
TE34-2L/4	80	96



GLOBAL EXPERTISE. CONSTRUCTION FOCUS.

Manufactured by Mecc Alte, a global alternator specialist supplying generator OEMs worldwide, T-Type benefits from proven engineering platforms, advanced insulation systems and global support capability.

Built for the jobsite. Engineered for uptime.
Powered by Mecc Alte.

TYPICAL APPLICATIONS

CONSTRUCTION AND MATERIAL PROCESSING

COMPACT AGGREGATE PROCESSING



MOBILE CRUSHING AND SCREENING UNITS



RAIL AND MOBILE EQUIPMENT

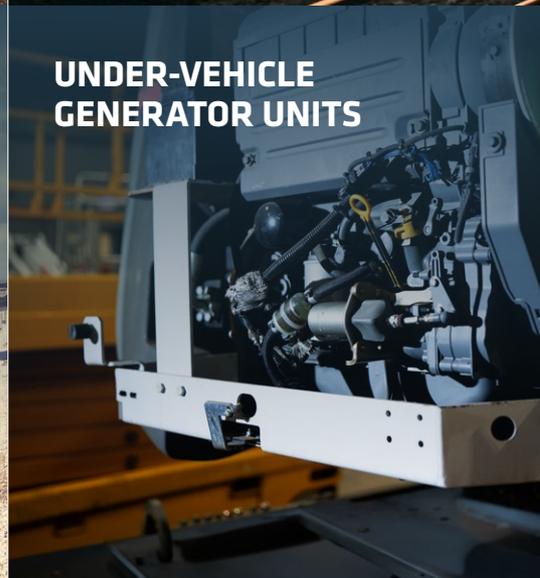
RAIL AUXILIARY POWER UNITS



ROAD CONSTRUCTION MACHINERY



UNDER-VEHICLE GENERATOR UNITS



PROTECTION STRATEGY: MATCHING THE PROTECTION TO THE CONTAMINATION DRIVER

T-Type complements the Mecc Alte portfolio by focusing on physical ingress prevention in environments dominated by particulate contamination or direct water exposure.

While V-Type enhances insulation reliability through advanced resin systems and severe-environment coating - providing excellent resistance to moisture, salinity and chemical attack - T-Type adds a structural barrier approach where dust, debris, and high-pressure water exposure are the primary operational risks.

Both solutions are suitable for harsh environments; the optimal choice depends on the dominant contamination mechanism.



DEFENCE AND EMERGENCY RESPONSE

CIVIL PROTECTION AND FIRE BRIGADE GENSETS



RENTAL AND TEMPORARY POWER

HARSH-DUTY TEMPORARY POWER SYSTEMS



HYDRAULIC DRIVEN GENERATORS



MILITARY FIELD POWER UNITS



WASHDOWN - RESISTANT INSTALLATION



PRECISION UNDER PRESSURE: MATCHING TECH TO TERRAIN

ENVIRONMENTAL SELECTION GUIDE

ENVIRONMENTAL DRIVER	T-TYPE	V-TYPE	PREFERRED FOCUS
High humidity/condensation	● ● ●	● ● ● ● ●	Moisture protection
Marine salinity (onshore/offshore)	● ● ●	● ● ● ● ● ● ●	Corrosion resistance
Chemical vapours/aggressive gasses	● ●	● ● ● ● ● ● ●	Chemical resistance
Dust-heavy industrial sites	● ● ● ● ● ● ●	● ● ● ●	Physical isolation
Cement/quarry/crushers	● ● ● ● ● ● ●	● ●	Particulate barrier
Direct washdown/jet spray	● ● ● ● ● ● ●	● ● ● ●	Ingress protection
Extreme physical contamination	● ● ● ● ● ● ●	● ●	Structural enclosure

LEGEND

- Suitable ● ●
- Recommended ● ● ●
- Highly recommended ● ● ● ● ●
- Optimised solution ● ● ● ● ● ● ●

T-Type is not a replacement for V-Type.

It is the preferred solution when the dominant environmental risk shifts from humidity, salinity and chemically aggressive atmospheres toward physical ingress, direct water exposure and heavy particulate contamination.



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