



Technical Specification for Perkins Marine Type Generator Set

Rated Power 18KW/23KVA TPM20HE

MARINE DIESEL GENERATOR DATA:

Model	: TPM20HE
Rated power	: 18KW/23KVA
Standby power	: 19.8KW/24.75KVA
Rated voltage	: 440V (Can be adjusted)
Rated frequency	: 60HZ
Dimension	: 1230x720x960 MM
Weight	: 496KG

ENGINE DATA:

Brand	: Perkins
Model	: 422GM
Rated power	: 22KW/27.5KVA
Standby power	: 24KW/30.25KVA
Rated speed	: 1800RPM
Bore*Stroke	: 84*100MM
Displacement	: 2.2L
Type	: In-line,4 cylinders,4 stroke
Aspiration	: Natural
Cooling system	: Sea water heat exchange cooled
Fuel system	: Indirect injection
Speed governor	: Electric
Starter	: DC12V electric

ALTERNATOR DATA:

Brand	: STAMFORD	: MARATHON
Model	: PM1 44E	: MP-H-16-4
Rated power	: 19.4KW/24.3KVA	: 24.8KW/27KVA
Rated speed	: 1800RPM	
Rated voltage	: 440V (Can be adjusted)	
Rated frequency	: 60HZ	
Type	: Brushless,self-excited,AVR	
Protection class	: IP23	
Insulation	: H	
Phase&wire	: 3P3W	
Power factor	: 0.8(lagging)	

CONTROL SYSTEM DATA:

LOCAL MARINE CONTROL PANEL (ComAp Control)

Local mounted graphical display control panel consisting:

o Control: Emergency stop button

Simple engine Start/Stop

Selector switch Local/Remote (Remote is for MSB operation, motorise potentiometer not included)

o Monitoring: Lubricating oil pressure

Water temperature

Engine speed (rev/min-RPM)

Running hours

o Protection: Lubricating oil pressure

Water temperature

Overspeed protection with magnetic pick-up

Control panel to engine wiring



SCOPE OF SUPPLY:

Marine diesel generator	1 Set
Control system	1 Set
Muffler	1 Pcs
Maintenance-free battery DC24V and connection wires	1 Set
Flange	1 Pcs
Bellows	1 Pcs
Standard maintenance tool	1 Set

OPTION:

*Silent canopy	*Wet typel exhaust muffler
*Water heater	*Oil heater
*Oil-water separator	*Droop Kit for synchronizing work
*PMG excitation	*Remote Control panel
*Anti Condensation Heater	*Paralleling System

DOCUMENTATION:

Engine documents including CCS certificate	1 Set
Alternator documents including CCS certificate	1 Set
Control system documents	1 Set
Generator set operation&manual	1 Pcs
Generator set testing report	1 Pcs
Electric drawing	1 Set
Generator set CCS certificate	1 Pcs

FACTORY ACCEPTANCE TEST (FAT):

The safety function test for the generator set will be carried out in Tontek Power Limited factory in China. All consumables items during the test will be provided. We inspect marine generator set with CCS rules.

WARRANTY:

18 months starting from the date on which the goods arrive at the destination port or 12 months after the vessel delivery to the shipowner whichever comes first.

Contact Us

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TONTEK POWER LIMITED reserves the right to make changes in model, technical specification, color, configuration and accessories without prior notice.

Please contact the salesman before ordering.

-Green Power,Power with our heart!-