

## P 1700 S





## POWERFULL "S"



For	illusti	rative	purposes	only

Engine model         PERKINS           Engine model         4012-46TAG3A           Cylinders         12           RPM speed         1500           Cubic capacity         45.84           Air intake         Turbocharged           Standard voltage         24         Vdc           Optional voltage         Vdc           Sae         00-18         BMEP         2603         kPa           Cooling         Water         Flywheel P.R.P. Power net         1436.0         kW           Flywheel Stand-by Power net         1579.0         kW           Fuel Cons. at 100% (L.T.P.)         405.0         I/h           Fuel Cons. at 100% (P.R.P)         370.0         I/h           Fuel Cons. at 25% (P.R.P.)         275.0         I/h           Fuel Cons. at 25% (P.R.P.)         0.0         I/h           Fuel Cons. at 25% (P.R.P.)         187.0         I/h           Fuel Cons. at 25% (P.R.P.)         0.0         I/h           Fuel Cons. at 25% (P.R.P.)         0.0         I/h           Fuel Cons. at 25% (P.R.P.)         187.0         I/h           Fuel Cons. at 25% (P.R.P.)         0.0         I/h           Fuel Cons. at 25% (P.R.P.)         0.0         I/h <th>ENGINE</th> <th></th> <th></th>	ENGINE		
Engine model 4012-46TAG3A  Cylinders 12  RPM speed 1500  Cubic capacity 45.84    Air intake Turbocharged  Standard voltage 24 Vdc  Optional voltage Vdc  Sae 00-18  BMEP 2603 kPa  Cooling Water  Flywheel P.R.P. Power net 1436.0 kW  Flywheel Stand-by Power net 1579.0 kW  Fuel Cons. at 100% (L.T.P.) 405.0 l/h  Fuel Cons. at 100% (P.R.P) 370.0 l/h  Fuel Cons. at 55% (P.R.P.) 275.0 l/h  Fuel Cons. at 25% (P.R.P.) 187.0 l/h  Fuel Cons. at 25% (P.R.P.) 0.0 l/h  Electronic regulator Standard  Precision class G3  Oil quantity 177.0 l  Engine Antifreeze capacity 73.0 l  Radiator type TE  Heat from radiator 510.0 kW  Heat from radiator 110.0 kW  Exhaust temperature 480 °C  Portata Raffreddamento 1920.0 m³/min  Combustion air flow 125.0 m³/min  Exhaust gas flow 350.0 m³/min  TA Luft N  TA Luft/2 N		DEDIVING	
Cylinders         12           RPM speed         1500           Cubic capacity         45.84         I           Air intake         Turbocharged         Standard voltage         Vdc           Optional voltage         Vdc         Vdc           Sae         00-18         BMEP         2603         kPa           Cooling         Water         Flywheel P.R.P. Power net         1436.0         kW           Flywheel Stand-by Power net         1579.0         kW           Fuel Cons. at 100% (P.R.P.)         370.0         l/h           Fuel Cons. at 100% (P.R.P.)         370.0         l/h           Fuel Cons. at 55% (P.R.P.)         275.0         l/h           Fuel Cons. at 25% (P.R.P.)         187.0         l/h           Fuel Cons. at 25% (P.R.P.)         0.0         l/h           Fuel Cons. at	1		
RPM speed         1500           Cubic capacity         45.84         I           Air intake         Turbocharged           Standard voltage         24         Vdc           Optional voltage         Vdc           Sae         00-18         BMEP         2603         kPa           Cooling         Water         Flywheel P.R.P. Power net         1436.0         kW           Flywheel Stand-by Power net         1579.0         kW           Fuel Cons. at 100% (L.T.P.)         405.0         I/h           Fuel Cons. at 100% (P.R.P)         370.0         I/h           Fuel Cons. at 50% (P.R.P.)         275.0         I/h           Fuel Cons. at 25% (P.R.P.)         187.0         I/h           Fuel Cons. at 25% (P.R.P.)         0.0         I/h           Fuel Cons. at 50% (P.R.P.)         187.0         I/h           Fuel Cons. at 50% (P.R.P.)         187.0         I/h           Fuel Cons. at 75% (P.R.P.)         275.0         I/h           Fuel Cons. at 100% (P.R.P.)         187.0			
Cubic capacity         45.84         I           Air intake         Turbocharged           Standard voltage         24         Vdc           Optional voltage         Vdc           Sae         00-18         BMEP         2603         kPa           Cooling         Water         Flywheel P.R.P. Power net         1436.0         kW           Flywheel Stand-by Power net         1579.0         kW           Fuel Cons. at 100% (L.T.P.)         405.0         l/h           Fuel Cons. at 100% (P.R.P.)         370.0         l/h           Fuel Cons. at 55% (P.R.P.)         275.0         l/h           Fuel Cons. at 25% (P.R.P.)         187.0         l/h           Fuel Cons. at 25% (P.R.P.)         0.0         l/h           Fuel Cons. at 25% (P.R.P.)         0.0         l/h           Fuel Cons. at 25% (P.R.P.)         0.0         l/h           Fuel Cons. at 50% (P.R.P.)         187.0         l/h           Fuel Cons. at 5	,		
Air intake         Turbocharged           Standard voltage         24 Vdc           Optional voltage         Vdc           Sae         00-18           BMEP         2603 kPa           Cooling         Water           Flywheel P.R.P. Power net         1436.0 kW           Flywheel Stand-by Power net         1579.0 kW           Fuel Cons. at 100% (L.T.P.)         405.0 l/h           Fuel Cons. at 100% (P.R.P)         370.0 l/h           Fuel Cons. at 75% (P.R.P.)         275.0 l/h           Fuel Cons. at 50% (P.R.P.)         187.0 l/h           Fuel Cons. at 25% (P.R.P.)         0.0 l/h           Electronic regulator         Standard           Precision class         G3           Oil quantity         177.0 l           Engine Antifreeze capacity         73.0 l           Radiator type         TE           Heat from radiator         510.0 kW           Heat from exhaust         1102.0 kW           Heat from radiation         110.0 kW           Exhaust temperature         480 °C           Portata Raffreddamento         1920.0 m³/min           Combustion air flow         125.0 m³/min           Exhaust gas flow         350.0 m³/min	RPM speed		
Standard voltage         24 Vdc           Optional voltage         Vdc           Sae         00-18           BMEP         2603 kPa           Cooling         Water           Flywheel P.R.P. Power net         1436.0 kW           Flywheel Stand-by Power net         1579.0 kW           Fuel Cons. at 100% (L.T.P.)         405.0 l/h           Fuel Cons. at 100% (P.R.P)         370.0 l/h           Fuel Cons. at 75% (P.R.P.)         275.0 l/h           Fuel Cons. at 50% (P.R.P.)         187.0 l/h           Fuel Cons. at 25% (P.R.P.)         0.0 l/h           Flectronic regulator         Standard           Precision class         G3           Oil quantity         177.0 l           Engine Antifreeze capacity         73.0 l           Radiator type         TE           Heat from radiator         510.0 kW           Heat from radiation         110.0 kW           Exhaust temperature         480 °C           Portata Raffreddamento         1920.0 m³/min           Combustion air flow         125.0 m³/min           Exhaust gas flow         350.0 m³/min           TA Luft/2         N           EPA         N	Cubic capacity	45.84	I
Optional voltage         Vdc           Sae         00-18           BMEP         2603 kPa           Cooling         Water           Flywheel P.R.P. Power net         1436.0 kW           Flywheel Stand-by Power net         1579.0 kW           Fuel Cons. at 100% (L.T.P.)         405.0 l/h           Fuel Cons. at 100% (P.R.P)         370.0 l/h           Fuel Cons. at 75% (P.R.P.)         275.0 l/h           Fuel Cons. at 50% (P.R.P.)         187.0 l/h           Fuel Cons. at 25% (P.R.P.)         0.0 l/h           Electronic regulator         Standard           Precision class         G3           Oil quantity         177.0 l           Engine Antifreeze capacity         73.0 l           Radiator type         TE           Heat from radiator         510.0 kW           Heat from exhaust         1102.0 kW           Heat from radiation         110.0 kW           Exhaust temperature         480 °C           Portata Raffreddamento         1920.0 m³/min           Combustion air flow         125.0 m³/min           Exhaust gas flow         350.0 m³/min           TA Luft/2         N           EPA         N	Air intake	Turbocharged	
Sae         00-18           BMEP         2603         kPa           Cooling         Water           Flywheel P.R.P. Power net         1436.0         kW           Flywheel Stand-by Power net         1579.0         kW           Fuel Cons. at 100% (L.T.P.)         405.0         l/h           Fuel Cons. at 100% (P.R.P)         370.0         l/h           Fuel Cons. at 55% (P.R.P.)         275.0         l/h           Fuel Cons. at 25% (P.R.P.)         187.0         l/h           Fuel Cons. at 25% (P.R.P.)         0.0         l/h           Electronic regulator         Standard           Precision class         G3         Oil quantity         177.0         I           Engine Antifreeze capacity         73.0         I         I         Engine Antifreeze capacity         TE         Heat from radiator         \$10.0         kW         Heat from exhaust         1102.0         kW         Heat from radiation         110.0         kW           Heat from radiation         110.0         kW         Exhaust temperature         480°C         C           Portata Raffreddamento         1920.0         m³/min         Exhaust gas flow         350.0         m³/min           TA Luft         N <th< td=""><td>Standard voltage</td><td>24</td><td>Vdc</td></th<>	Standard voltage	24	Vdc
BMEP         2603 kPa           Cooling         Water           Flywheel P.R.P. Power net         1436.0 kW           Flywheel Stand-by Power net         1579.0 kW           Fuel Cons. at 100% (L.T.P.)         405.0 l/h           Fuel Cons. at 100% (P.R.P)         370.0 l/h           Fuel Cons. at 55% (P.R.P.)         275.0 l/h           Fuel Cons. at 55% (P.R.P.)         187.0 l/h           Fuel Cons. at 25% (P.R.P.)         0.0 l/h           Electronic regulator         Standard           Precision class         G3           Oil quantity         177.0 l           Engine Antifreeze capacity         73.0 l           Radiator type         TE           Heat from radiator         510.0 kW           Heat from exhaust         1102.0 kW           Heat from radiation         110.0 kW           Exhaust temperature         480 °C           Portata Raffreddamento         1920.0 m³/min           Combustion air flow         125.0 m³/min           Exhaust gas flow         350.0 m³/min           TA Luft         N           EPA         N	Optional voltage		Vdc
Cooling         Water           Flywheel P.R.P. Power net         1436.0 kW           Flywheel Stand-by Power net         1579.0 kW           Fuel Cons. at 100% (L.T.P.)         405.0 l/h           Fuel Cons. at 100% (P.R.P)         370.0 l/h           Fuel Cons. at 55% (P.R.P.)         275.0 l/h           Fuel Cons. at 55% (P.R.P.)         187.0 l/h           Fuel Cons. at 25% (P.R.P.)         0.0 l/h           Flectronic regulator         Standard           Precision class         G3           Oil quantity         177.0 l           Engine Antifreeze capacity         73.0 l           Radiator type         TE           Heat from radiator         510.0 kW           Heat from exhaust         1102.0 kW           Heat from radiation         110.0 kW           Exhaust temperature         480 °C           Portata Raffreddamento         1920.0 m³/min           Combustion air flow         125.0 m³/min           Exhaust gas flow         350.0 m³/min           TA Luft/2         N           EPA         N	Sae	00-18	
Flywheel P.R.P. Power net         1436.0 kW           Flywheel Stand-by Power net         1579.0 kW           Fuel Cons. at 100% (L.T.P.)         405.0 l/h           Fuel Cons. at 100% (P.R.P)         370.0 l/h           Fuel Cons. at 75% (P.R.P.)         275.0 l/h           Fuel Cons. at 50% (P.R.P.)         187.0 l/h           Fuel Cons. at 25% (P.R.P.)         0.0 l/h           Electronic regulator         Standard           Precision class         G3           Oil quantity         177.0 l           Engine Antifreeze capacity         73.0 l           Radiator type         TE           Heat from radiator         510.0 kW           Heat from exhaust         1102.0 kW           Heat from radiation         110.0 kW           Exhaust temperature         480 °C           Portata Raffreddamento         1920.0 m³/min           Combustion air flow         125.0 m³/min           Exhaust gas flow         350.0 m³/min           TA Luft/2         N           EPA         N	BMEP	2603	kPa
Flywheel Stand-by Power net         1579.0 kW           Fuel Cons. at 100% (L.T.P.)         405.0 l/h           Fuel Cons. at 100% (P.R.P)         370.0 l/h           Fuel Cons. at 75% (P.R.P.)         275.0 l/h           Fuel Cons. at 50% (P.R.P.)         187.0 l/h           Fuel Cons. at 25% (P.R.P.)         0.0 l/h           Fuel Cons. at 50% (P.R.P.)         0.0 l/h	Cooling	Water	
Fuel Cons. at 100% (L.T.P.)       405.0 I/h         Fuel Cons. at 100% (P.R.P)       370.0 I/h         Fuel Cons. at 75% (P.R.P.)       275.0 I/h         Fuel Cons. at 50% (P.R.P.)       187.0 I/h         Fuel Cons. at 25% (P.R.P.)       0.0 I/h         Fuel Cons. at 25% (P.R.P.)       0.0 I/h         Electronic regulator       Standard         Precision class       G3         Oil quantity       177.0 I         Engine Antifreeze capacity       73.0 I         Radiator type       TE         Heat from radiator       510.0 kW         Heat from exhaust       1102.0 kW         Heat from radiation       110.0 kW         Exhaust temperature       480 °C         Portata Raffreddamento       1920.0 m³/min         Combustion air flow       125.0 m³/min         Exhaust gas flow       350.0 m³/min         TA Luft       N         TA Luft/2       N         EPA       N	Flywheel P.R.P. Power net	1436.0	kW
Fuel Cons. at 100% (P.R.P)       370.0 l/h         Fuel Cons. at 75% (P.R.P.)       275.0 l/h         Fuel Cons. at 50% (P.R.P.)       187.0 l/h         Fuel Cons. at 25% (P.R.P.)       0.0 l/h         Electronic regulator       Standard         Precision class       G3         Oil quantity       177.0 l         Engine Antifreeze capacity       73.0 l         Radiator type       TE         Heat from radiator       510.0 kW         Heat from exhaust       1102.0 kW         Heat from radiation       110.0 kW         Exhaust temperature       480 °C         Portata Raffreddamento       1920.0 m³/min         Combustion air flow       125.0 m³/min         Exhaust gas flow       350.0 m³/min         TA Luft       N         TA Luft/2       N         EPA       N	Flywheel Stand-by Power net	1579.0	kW
Fuel Cons. at 75% (P.R.P.)         275.0 I/h           Fuel Cons. at 50% (P.R.P.)         187.0 I/h           Fuel Cons. at 25% (P.R.P.)         0.0 I/h           Electronic regulator         Standard           Precision class         G3           Oil quantity         177.0 I           Engine Antifreeze capacity         73.0 I           Radiator type         TE           Heat from radiator         510.0 kW           Heat from exhaust         1102.0 kW           Heat from radiation         110.0 kW           Exhaust temperature         480 °C           Portata Raffreddamento         1920.0 m³/min           Combustion air flow         125.0 m³/min           Exhaust gas flow         350.0 m³/min           TA Luft         N           TA Luft/2         N           EPA         N	Fuel Cons. at 100% (L.T.P.)	405.0	l/h
Fuel Cons. at 50% (P.R.P.)         187.0 l/h           Fuel Cons. at 25% (P.R.P.)         0.0 l/h           Electronic regulator         Standard           Precision class         G3           Oil quantity         177.0 l           Engine Antifreeze capacity         73.0 l           Radiator type         TE           Heat from radiator         510.0 kW           Heat from exhaust         1102.0 kW           Heat from radiation         110.0 kW           Exhaust temperature         480 °C           Portata Raffreddamento         1920.0 m³/min           Combustion air flow         125.0 m³/min           Exhaust gas flow         350.0 m³/min           TA Luft         N           TA Luft/2         N           EPA         N	Fuel Cons. at 100% (P.R.P)	370.0	l/h
Fuel Cons. at 25% (P.R.P.)  Electronic regulator  Precision class  G3  Oil quantity  Engine Antifreeze capacity  Radiator type  Heat from radiator  Heat from exhaust  Heat from radiation  Exhaust temperature  Portata Raffreddamento  Combustion air flow  Exhaust gas flow  TA Luft  TA Luft/2  EPA  OG  Standard  Standard  Standard  Standard  177.0  I  177.0	Fuel Cons. at 75% (P.R.P.)	275.0	l/h
Electronic regulator  Precision class G3 Oil quantity 177.0   Engine Antifreeze capacity 73.0   Radiator type TE Heat from radiator Heat from exhaust 1102.0 kW Heat from radiation 110.0 kW Exhaust temperature 480 °C Portata Raffreddamento 1920.0 m³/min Combustion air flow 125.0 m³/min Exhaust gas flow 7A Luft N TA Luft TA Luft/2 EPA N Standard  A   Standard   Standard  A	Fuel Cons. at 50% (P.R.P.)	187.0	l/h
Precision class  Oil quantity  Engine Antifreeze capacity  Radiator type  Heat from radiator  Heat from exhaust  Heat from radiation  Exhaust temperature  Portata Raffreddamento  Combustion air flow  Exhaust gas flow  TA Luft  TA Luft/2  EPA  Ord  177.0  I  177.0  I  177.0  I  177.0  I  178.0  I  189.0  I  189.0  I  190.0  I	Fuel Cons. at 25% (P.R.P.)	0.0	l/h
Oil quantity  Engine Antifreeze capacity  Radiator type  TE  Heat from radiator  Heat from exhaust  Heat from radiation  Exhaust temperature  Portata Raffreddamento  Combustion air flow  Exhaust gas flow  TA Luft  TA Luft/2  EPA  177.0  I I I I I I I I I I I I I I I I I I	Electronic regulator	Standard	
Engine Antifreeze capacity  Radiator type  TE  Heat from radiator  Heat from exhaust  Heat from radiation  Exhaust temperature  Portata Raffreddamento  Combustion air flow  Exhaust gas flow  TA Luft  TA Luft/2  EPA  TE  TA  TA  TA  TA  TA  TA  TA  TA  T	Precision class	G3	
Radiator type  Heat from radiator  Heat from exhaust  1102.0 kW  Heat from radiation  110.0 kW  Exhaust temperature  480 °C  Portata Raffreddamento  1920.0 m³/min  Combustion air flow  125.0 m³/min  Exhaust gas flow  350.0 m³/min  TA Luft  N  TA Luft/2  EPA  N	Oil quantity	177.0	I
Heat from radiator 510.0 kW Heat from exhaust 1102.0 kW Heat from radiation 110.0 kW Exhaust temperature 480 °C Portata Raffreddamento 1920.0 m³/min Combustion air flow 125.0 m³/min Exhaust gas flow 350.0 m³/min TA Luft N TA Luft/2 N EPA N	Engine Antifreeze capacity	73.0	I
Heat from exhaust 1102.0 kW  Heat from radiation 110.0 kW  Exhaust temperature 480 °C  Portata Raffreddamento 1920.0 m³/min  Combustion air flow 125.0 m³/min  Exhaust gas flow 350.0 m³/min  TA Luft N  TA Luft/2 N  EPA N	Radiator type	TE	
Heat from radiation 110.0 kW  Exhaust temperature 480 °C  Portata Raffreddamento 1920.0 m³/min  Combustion air flow 125.0 m³/min  Exhaust gas flow 350.0 m³/min  TA Luft N  TA Luft/2 N  EPA N	Heat from radiator	510.0	kW
Exhaust temperature 480 °C  Portata Raffreddamento 1920.0 m³/min  Combustion air flow 125.0 m³/min  Exhaust gas flow 350.0 m³/min  TA Luft N  TA Luft/2 N  EPA N	Heat from exhaust	1102.0	kW
Portata Raffreddamento 1920.0 m³/min  Combustion air flow 125.0 m³/min  Exhaust gas flow 350.0 m³/min  TA Luft N  TA Luft/2 N  EPA N	Heat from radiation	110.0	kW
Combustion air flow 125.0 m³/min Exhaust gas flow 350.0 m³/min TA Luft N TA Luft/2 N EPA N	Exhaust temperature	480	°C
Exhaust gas flow 350.0 m³/min  TA Luft N  TA Luft/2 N  EPA N	Portata Raffreddamento	1920.0	m³/min
TA Luft N TA Luft/2 N EPA N	Combustion air flow	125.0	m³/min
TA Luft/2 N EPA N	Exhaust gas flow	350.0	m³/min
EPA N	TA Luft	N	
	TA Luft/2	N	
Stage	EPA	N	
	Stage	N	

MAIN DATA		
Continuous power (PRP)	1705.00 k	VA
Continuous power (PRP)	1364.00 k	Ν
Stand-by power (LTP)	1875.00 k	VA
Stand-by power (LTP)	1500.00 k	Ν
VAC - HZ - cos(fi)	415 - 50 - 0.8	
Sound pressure 7 m.	<b>78</b> dl	ВА

DIMENSIONS AND WEIGHT			
	Width	2900	mm
	Length	9380	mm
	Height	3550	mm
	Weight	15500	kg

ALTERNATOR	
Description	STAMFORD
Alternator model	PI734E
P.R.P. Power	1900 kVA
L.T.P. Power	2035 kVA
Connection	Star
Phases	3FN
Winding	312
Terminal Number	6 nr.
IP Protection	23
Electronic regulator	MX341
Precision	1 ± %

BASEFRAME	
Model	ST60
Standard tank	0 1
Optional tank	0 1
Oversized tank*	0 1

CANOPY & SILENCER		
Canopy model	C60/08/01	
Silencer model		
Silencer outlet diameter	0 mm	

Standard reference conditions temperature 25°C, altitude 100m asl, relative humidity 30%, atmospheric pressure 100 kPa (1 bar), power factor 0.8 lag, balanced load - non distortional. Fuel consumption is nominal and refers to specific weight 0,850kg/l. Sound power values refer to free field conditions: the installation site may influence the values. Dimensions, weights and other specifications contained in the technical data sheet and related attachments are nominal, subject to tolerances and refer to the model with standard equipment; any optional and additional equipment/accessories can modify weight, dimensions, performance.

P.R.P. Prime Power-Continuous power at variable load: The power that a genset can supply in continuous service at a variable load for an unlimited number of hours per year while respecting the maintenance intervals established in the environmental conditions stated by the Manufacturer. according to ISO8528-1. The average power supplied over time and any applicable overload must be less than the percentages stated by the Manufacturer. L.T.P. Limited-time running power-Limited power: The maximum power that a genset can supply for a limited time respecting the maintenance intervals established in the environmental conditions stated by the Manufacturer according to ISO 8528-1. The number of hours per year is stated by the Manufacturer. Overload is not permitted.

The data contained in this document is nominal and refers to the standard equipped model and is not binding. Visa S.p.A. reserves the right to revise the information without notice per our policy of continuous product development and improvement.