

RATNA

DIESEL ENGINE

Andalan Petani & Nelayan



R 65 U



R 70 H2



R 70 L



R 80 H



R 80 L



R 100 LDI



R 160 HDI



R 230 HDTT



R 230 HZ



R 280 HZE



R 300 HZE



R 330 HZE



PT TRI RATNA DIESEL INDONESIA



SNI 0119 - 2009



Quality System Certification



SPESIFIKASI / SPECIFICATION

Model	R65U	R70H	R70H2	R70C	R70L	R80L	R80H	R100HDI	R100CDI	R100LDI	R100L	R160HA	R160HDI	R220HD	*R230HDTT/HZ/HD	R280HZ	R280HZE	R300HZE	R330HZE	R330HZ		
Tipe Type	Mendatar, 4 langkah pendingin udara, horizontal, 4 cycle, air cooling		Mendatar, 4 langkah, pendingin air, horizontal, 4 cycle, water cooling																			
Jumlah silinder Number of cylinder	Satu silinder / single cylinder																					
Diameter langkah Bore x stroke (mm)	75 x 75	75 x 80				80 x 80		85 x 90				100 x 115		110 x 115	115 x 115	125 x 120		130 x 120	133 x 125			
Isi silinder Displacement (cc)	331	353				402		510				903		1,093	1,194	1,473		1,593	1,724			
Sistem pembakaran Combustion system	Tak langsung / indirect						Langsung / direct				Tak langsung / indirect		Langsung / direct									
Tenaga maksimum Max. power (HP/rpm)	6.5 / 2600		7 / 2600				8 / 2600		10 / 2200				16 / 2200		20 / 2200	24 / 2200	28 / 2200		30 / 2200	33 / 2200		
Tenaga kontinyu Continuous power (HP/rpm)	5.5 / 2600		6 / 2600				7 / 2600		9 / 2200				15 / 2200		18 / 2200	21 / 2200	25 / 2200		27 / 2200	30 / 2200		
Perbandingan kompresi Compression ratio	20.5 : 1		23 : 1				20 : 1		21 : 1				20 : 1		17 : 1							
Sistem pendinginan Cooling system	Pendingin udara / air cooling	Hopper		Condenser				Hopper		Condenser				Hopper								
Sistem governor Governor system	Mekanis / mechanical																					
Sistem pengasutan Starting system	Engkol / hand starting																	Electric starting		Engkol / hand starting		
Arah putaran Rotation	Berlawanan arah jarum jam, dilihat dari sisi roda penerus / counter clockwise, viewed from flywheel side																					
Kapasitas oli Oil capacity (l)	1.2	2				2.5				5		5.5		6.5								
Berat bersih Weight (kg)	49	60	65	65	66	71	71	95	98	98	98	150	150	175	180	195	195	212	215	217		

* Tipe HZ adalah tipe dengan 6 baut pada cylinder head.
HZ type is a 6 bolt cylinder head type.

* Tipe HDTT adalah tipe tanpa menggunakan tangki hopper dan tangki solar.
HDTT type is a type with no hopper tank and diesel fuel tank.

* Sistem pembakaran langsung dapat menghemat solar sampai dengan 20% dibanding sistem pembakaran konvensional (tak langsung).
Direct injection combustion system saves up to 20% fuel consumption comparing to conventional combustion system (indirect).

* Spesifikasi dan dimensi dapat berubah tanpa pemberitahuan terlebih dahulu.
Specifications are subject to change without prior notice.

