

Shire Specifications

40H



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45H



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90



Engine Type	4 stroke, water-cooled diesel	4 stroke, water-cooled diesel	4 stroke, water-cooled diesel	4 stroke, water-cooled diesel	4 stroke, water-cooled diesel	4 stroke, water-cooled diesel	4 stroke, water-cooled diesel
Number of Cylinders	4	4	4	4	4	4	4
Bore x stroke	88mm x 90mm (3.30" x 3.31")	88mm x 90mm (3.30" x 3.54")	88mm x 90mm (3.30" x 3.54")	88mm x 90mm (3.30" x 3.54")	88mm x 90mm (3.30" x 3.54")	98mm x 110mm (3.75" x 4.35")	106mm x 127mm (4.19" x 5.00")
Displacement	2190cc	2190cc	2190cc	2190cc	2190cc	3319cc	4500cc
HP (ISO 3046/1)	40hp/3000rpm	40hp/2600rpm	45hp/3000rpm	45hp/3000rpm	50hp/3000rpm	70hp/2500rpm	90hp/2500rpm
Peak Torque	94lb ft/1600rpm	94lb ft/1600rpm	97lb ft/1600rpm	97lb ft/1600rpm	108lb ft/1600rpm	143lb ft/1600rpm	201lb ft/1400rpm
Combustion	Direct Injection	Direct Injection	Direct Injection	Direct Injection	Direct Injection	Direct Injection	Direct Injection
Electrical System	Starting motor D.C.Twin alternator 12V 50 amp & 12V 110amp	Starting motor D.C.Twin alternator 12V 50 amp & 12V 110amp	Starting motor D.C.Twin alternator 12V 50 amp & 12V 240amp	Starting motor D.C.Twin alternator 12V 50 amp & 12V 240amp	Starting motor D.C.Twin alternator 12V 50 amp & 12V 240amp	Starting motor D.C.12V - 2.3kW Twin alternator 12v 50amp & 12v 240amp	Starting motor D.C.12V - 3.4kW Twin alternator 12v 110amp & 12v 120amp
Cooling System	Keel or skin tank	Keel or skin tank	Keel or skin tank	Keel or skin tank	Keel or skin tank	Keel or skin tank	Keel or skin tank
Lubrication System	Forced lubrication by trochoid pump	Forced lubrication by trochoid pump	Forced lubrication by trochoid pump	Forced lubrication by trochoid pump	Forced lubrication by trochoid pump	Forced lubrication by trochoid pump	Forced lubrication by trochoid pump
Reduction & reversing gear	MA 100A hydraulic	PRM 150 hydraulic	MA125A hydraulic	PRM 150 hydraulic	PRM 150 hydraulic	PRM 260 hydraulic	PRM 260 hydraulic
Reduction Ratio	2:1	2:1	2:1	2:1	2:1	2:1	2:1
Dry weight (inc gearbox)	290kg	270kg	340kg	284kg	284kg	400kg	515kg