

CA7.5 SIMPLEX TECHNICAL DATA

Capacity and power: ISO-1217(1996 annex #C)					
Normal working pressure - psi	175				
Capacity at normal working press - cfm	23.2				
Basic Pump					
Model	E57				
Stage	2				
Lubrication type	Splash Lubrication				
Valve type	Channel Valve – Stainless Steel				
RPM (min – max) – rpm	800 - 1250				
Outfit RPM	1053				
BHP – HP	6.46				
Bore (LP/HP) – inch	3.94" - 2.17"				
Stroke – inch	3.39"				
Inlet size	Rc1 BSPT				
Discharge size	7/8 OD				
Sheave OD	16.53"				
Sheave PD	16.28"				
Number of belts	2				
Belt section	A				
Low oil sight glass	Sight Glass				
Oil quantity	4 Pints				
Unloaders and Method	Pressure Switch Unloader Standard, Suction Head option				
Noise level – dB(A)	84				
Motor	1-230V	3-200V	3-230V	3-460	3-575V
Enclosure	IP21	IP23	IP23	IP23	IP23
Insulation Class	F	F	F	F	F
Efficiency - %	84.5	88.5	91	91	91
Nominal rated power – HP	7.5	7.5	7.5	7.5	7.5
Speed of rotation - rpm	1755	1750	1770	1770	1770
FLA	30.6	23.0	19.4	9.7	7.8
Service factor	1.15	1.15	1.15	1.15	1.15
Locked rotor current – A	218	163	142	71	57
Power Factor	94	79	79	79	79
Installation condition					
Allowed ambient temperature min - max - °F	32-104				
Compressor dimensions					
Air Receiver Type	Vertical	Vertical UP	Horizontal	Horizontal UP	
Air receiver size (Gal)	80	80	80	80	
Compressor outlet	1/2" NPT	1/2" NPT	1/2" NPT	1/2" NPT	
Length – inch	36	39	69	69	
Width – inch	25	37	24	32	
Height – inch	74	75	47	48	
Weight – Lbs.	530	580	530	580	
Air Cooled Aftercooler (Option)					
Availability	Yes				
Air cooled aftercooler CTD - °F	18				

Remark:

- Capacity (FAD) measured in accordance with ISO 1217, Ed 3, Attachment C 1996, Ref. condition: Dry air, suction pressure 1 bar.
- Sound Pressure Level in accordance with ISO 2151, edition 2004 with a tolerance of 3dB(A).
- Due to continuous product development at FS-CURTIS, design and specifications are subject to change without notice.

CA7.5 DUPLEX

TECHNICAL DATA

Capacity and power: ISO-1217(1996 annex #C)					
Normal working pressure - psi	175				
Capacity at normal working press - cfm	46.4				
Basic Pump					
Model	E57				
Stage	2				
Lubrication type	Splash Lubrication				
Valve type	Channel Valve – Stainless Steel				
RPM (min – max) – rpm	800 - 1250				
Outfit RPM	1053				
BHP – HP	6.46				
Bore (LP/HP) – inch	3.94" - 2.17"				
Stroke – inch	3.39"				
Inlet size	Rc1 BSPT				
Discharge size	7/8 OD				
Sheave OD	16.53"				
Sheave PD	16.28"				
Number of belts	2				
Belt section	A				
Low oil sight glass	Sight Glass				
Oil quantity	4 Pints				
Unloaders and Method	Pressure Switch Unloader Standard, Suction Head option				
Noise level – dB(A)	84				
Motor	1-230V	3-200V	3-230V	3-460	3-575V
Enclosure	IP21	IP23	IP23	IP23	IP23
Insulation Class	F	F	F	F	F
Efficiency - %	84.5	88.5	91	91	91
Nominal rated power – HP	7.5	7.5	7.5	7.5	7.5
Speed of rotation - rpm	1755	1750	1770	1770	1770
FLA	30.6	23.0	19.4	9.7	7.8
Service factor	1.15	1.15	1.15	1.15	1.15
Locked rotor current – A	218	163	142	71	57
Power Factor	94	79	79	79	79
Installation condition					
Allowed ambient temperature min - max - °F	32-104				
Compressor dimensions					
Air Receiver Type	Horizontal		Horizontal UP		
Air receiver size (Gal)	120		120		
Compressor outlet	3/4" NPT		3/4" NPT		
Length – inch	76		78		
Width – inch	28		31		
Height – inch	52		53		
Weight – Lbs.	930		995		
Air Cooled Aftercooler (Option)					
Availability	Yes				
Air cooled aftercooler CTD - °F	18				

Remark:

- Capacity (FAD) measured in accordance with ISO 1217, Ed 3, Attachment C 1996, Ref. condition: Dry air, suction pressure 1 bar.
- Sound Pressure Level in accordance with ISO 2151, edition 2004 with a tolerance of 3dB(A).
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