

CA5+ SIMPLEX

TECHNICAL DATA

Capacity and power: ISO-1217(1996 annex #C)					
Normal working pressure - psi	175				
Capacity at normal working press - cfm	18.5				
Basic Pump					
Model	E57				
Stage	2				
Lubrication type	Splash Lubrication				
Valve type	Channel Valve – Stainless Steel				
RPM (min – max) – rpm	800 - 1050				
Outfit RPM	901				
BHP – HP	5.489				
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	IP23	IP23	IP23	IP23	IP23
Insulation Class	F	F	F	F	F
Efficiency - %	82.5	87.5	89.5	89.5	89.5
Nominal rated power – HP	5	5	5	5	5
Speed of rotation - rpm	1725	1750	1750	1750	1750
FLA	23.0	16.4	13.2	6.6	5.3
Service factor	1.15	1.15	1.15	1.15	1.15
Locked rotor current – A	129	109	95	47	38
Power Factor	87	74	80	80	80
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	67	
Width – inch	25	32	24	29	
Height – inch	74	77	47	51	
Weight – Lbs.	510	575	510	575	
Air Cooled Aftercooler (Option)					
Availability	Yes				
Air cooled aftercooler CTD - °F	18				

Remark:

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

CA5+ DUPLEX TECHNICAL DATA

Capacity and power: ISO-1217(1996 annex #C)					
Normal working pressure - psi	175				
Capacity at normal working press - cfm	37				
Basic Pump					
Model	E57				
Stage	2				
Lubrication type	Splash Lubrication				
Valve type	Channel Valve – Stainless Steel				
RPM (min – max) – rpm	800 - 1250				
Outfit RPM	901				
BHP – HP	5.49				
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	IP23	IP23	IP23	IP23	IP23
Insulation Class	F	F	F	F	F
Efficiency - %	82.5	87.5	89.5	89.5	89.5
Nominal rated power – HP	5	5	5	5	5
Speed of rotation - rpm	1725	1750	1750	1750	1750
FLA	23.0	16.4	13.2	6.6	5.3
Service factor	1.15	1.15	1.15	1.15	1.15
Locked rotor current – A	129	109	95	47	38
Power Factor	87	74	80	80	80
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	27		29		
Height – inch	52		53		
Weight – Lbs.	910		975		
Air Cooled Aftercooler (Option)					
Availability	Yes				
Air cooled aftercooler CTD - °F	18				

Remark:

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