

CA7.5 SIMPLEX

TECHNICAL DATA

Capacity at normal working press - ofm	Capacity and power: ISO-1217(1996 annex #C)												
Basic Pump	Normal working pressure - psi		175										
Model E57 Stage 2	Capacity at normal working press - cfm		23.2										
Model E57 Stage 2	Basic Pump												
Splash Lubrication Valve Splash Lubrication Valve Valve Valve Valve Valve Valve Stainless Steel	Model		E57										
Splash Lubrication Valve Splash Lubrication Valve Valve Valve Valve Valve Valve Stainless Steel	Stage												
RPM (min - max) - rpm	Lubrication type		Splash Lubrication										
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 E Efficiency - % 84.5 88.5 91	Valve type		Channel Valve – Stainless Steel										
BHP - HP 6.46 8.74 - 2.17* 8.94* - 2.1	RPM (min – max) – rpm		800 - 1250										
Bore (LP/HP) = inch 3.94" - 2.17" 3.39"	Outfit RPM		1053										
Stroke - inch													
Intel size													
Discharge size 7/8 OD													
Sheave OD													
Sheave PD													
Number of belts 2													
Belt section													
Low oil sight glass Sight Glass 4 Pints													
Oil quantity													
Unloaders and Method Pressure Switch Unloader Standard, Suction Head option Noise level – dB(A) 84			<u> </u>										
Noise level - dB(A) 84													
Note		Pressure	Switch Unio			Suction F	lead option						
P21 P23 P3 P													
F F F F F F F F F F F F F F F F F F F						3-460							
Service Serv					3								
Nominal rated power - HP		· · · · · ·											
Speed of rotation - rpm	•												
Service factor 1.15	•												
Service factor	•												
Cocked rotor current - A 218 163 142 71 57													
Power Factor 94 79 79 79 79 79 79 79													
Stallation condition													
Allowed ambient temperature min - max - °F Compressor dimensions Air Receiver Type Air receiver size (Gal) Air receiver size (Gal) 80 80 80 80 80 80 80 80 80 8		94	79	79		79	79						
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 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) Yes													
Air Receiver Type Vertical Vertical UP Horizontal UP Air receiver size (Gal) 80 80 80 Compressor outlet 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) Yes			32-104										
Air receiver size (Gal) Air receiver size (Gal) 80 80 80 80 80 80 80 80 80 8	Compressor dimensions												
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) Yes	Air Receiver Type		Vertical	UP	Horiz	ontal	Horizontal UP						
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) Yes													
Width – inch 25 37 24 32 Height – inch 74 75 47 48 Weight – Lbs. 530 580 530 580 Air Cooled Aftercooler (Option) Yes	Compressor outlet			PT	1/2" NPT								
Height – inch 74 75 47 48 Weight – Lbs. 530 580 530 580 Air Cooled Aftercooler (Option) Yes	Length – inch												
Weight – Lbs. 530 580 530 580 Air Cooled Aftercooler (Option) Yes													
Air Cooled Aftercooler (Option) Availability Yes	Height – inch												
Availability	Weight – Lbs.	530	580		53	30	580						
	Air Cooled Aftercooler (Option)												
Air cooled aftercooler CTD - °F	Availability			Ye	s								
	Air cooled aftercooler CTD - °F			18	3								

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			E5	7							
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	Pressure Switch Unloader Standard, Suction Head option									
Noise level – dB(A)	1100001	84									
Motor	1-230V										
Enclosure	IP21	IP23	IP2		IP23	IP23					
Insulation Class	F	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	177		1770	1770					
FLA	30.6	23.0	19.		9.7	7.8					
Service factor	1.15	1.15	1.1		1.15	1.15					
Locked rotor current – A	218	163	14:		71	57					
Power Factor	94	79	79)	79	79					
Installation condition			_								
Allowed ambient temperature min - max - °F		32-104									
Compressor dimensions											
Air Receiver Type	Н	Horizontal Horizonta									
					120						
		120			120	3/4" NPT					
Air receiver size (Gal) Compressor outlet		120 8/4" NPT				Т					
Air receiver size (Gal) Compressor outlet						Т					
Air receiver size (Gal)		3/4" NPT			3/4" NP	Т					
Air receiver size (Gal) Compressor outlet Length – inch Width – inch		76			3/4" NP 78 31	Т					
Air receiver size (Gal) Compressor outlet Length – inch Width – inch Height – inch		76 28			3/4" NP 78	Т					
Air receiver size (Gal) Compressor outlet Length – inch Width – inch Height – inch Weight – Lbs.		8/4" NPT 76 28 52			3/4" NP 78 31 53	T					
Air receiver size (Gal) Compressor outlet Length – inch Width – inch Height – inch Weight – Lbs. Air Cooled Aftercooler (Option)		8/4" NPT 76 28 52	Ye	S	3/4" NP 78 31 53	Т					
Air receiver size (Gal) Compressor outlet Length – inch Width – inch Height – inch Weight – Lbs.		8/4" NPT 76 28 52	Ye 18		3/4" NP 78 31 53	Т					

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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