

ML7.5 SIMPLEX

TECHNICAL DATA

Capacity and power: ISO-1217(1996 annex #C)								
Normal working pressure - psi	175							
Capacity at normal working press - cfm	28.7							
Basic Pump								
Model			C79.	A				
Stage	2							
Lubrication type	Centro-Ring Pressure lubrication							
Valve type	Disc Valve							
RPM (min – max) – rpm	500 - 900							
Outfit RPM	870							
BHP – HP	5.53							
Bore (LP/HP) – inch	5" – 2.5"							
Stroke – inch	3.5"							
Inlet size	1 1/4"NPT							
Discharge size			7/8" (
Sheave OD			16.37					
Sheave PD			16.12					
Number of belts			3					
Belt section			A	100				
Low oil sight glass	N/A							
Oil quantity	4 Pints							
Unloaders and Method	Suction Head							
Noise level – dB(A)	82							
Motor	1-230V	3-200V	3-230	V 3-460	3-575V			
Enclosure	IP21	IP23	IP23		IP23			
Insulation Class	F	F	F	F 25	F F			
Efficiency - %	84.5	88.5	91	91	91			
Nominal rated power – HP	7.5	7.5	7.5		7.5			
Speed of rotation - rpm	1755	1750	177		1770			
FLA	30.6	23.0	19.4		7.8			
Service factor	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	10				_			
Allowed ambient temperature min - max - °F			32-10)4				
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" N	PT	1/2" NPT	1/2" NPT			
Length – inch	36	39		67	67			
Width – inch	30	31		26	29			
Height – inch	75	76		49	50			
Weight – Lbs.	650	700		650	700			
Air Cooled Aftercooler (Option)			<u> </u>					
Availability			Yes					
Air cooled aftercooler CTD - °F			18					

- 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.



ML7.5 DUPLEX

TECHNICAL DATA

175							
57.4							
		-					
C79A							
2							
Centro-Ring Pressure Jubrication							
Disc Valve							
500 - 900							
			Т				
			15				
1-230V	3-200V	3-230V	3-460	3-575V			
IP21	IP23	IP23	IP23	IP23			
	F	F	F	F			
Г							
84.5	88.5	91	91	91			
		<u> </u>					
84.5	88.5	91	91	91			
84.5 7.5	88.5 7.5	91 7.5	91 7.5	91 7.5			
84.5 7.5 1755	88.5 7.5 1750	91 7.5 1770	91 7.5 1770	91 7.5 1770			
84.5 7.5 1755 30.6	88.5 7.5 1750 23.0	91 7.5 1770 19.4	91 7.5 1770 9.7	91 7.5 1770 7.8			
84.5 7.5 1755 30.6 1.15	88.5 7.5 1750 23.0 1.15	91 7.5 1770 19.4 1.15	91 7.5 1770 9.7 1.15	91 7.5 1770 7.8 1.15			
84.5 7.5 1755 30.6 1.15 218	88.5 7.5 1750 23.0 1.15 163	91 7.5 1770 19.4 1.15	91 7.5 1770 9.7 1.15	91 7.5 1770 7.8 1.15 57			
84.5 7.5 1755 30.6 1.15 218	88.5 7.5 1750 23.0 1.15 163	91 7.5 1770 19.4 1.15	91 7.5 1770 9.7 1.15	91 7.5 1770 7.8 1.15 57			
84.5 7.5 1755 30.6 1.15 218	88.5 7.5 1750 23.0 1.15 163	91 7.5 1770 19.4 1.15 142 79	91 7.5 1770 9.7 1.15	91 7.5 1770 7.8 1.15 57			
84.5 7.5 1755 30.6 1.15 218 94	88.5 7.5 1750 23.0 1.15 163	91 7.5 1770 19.4 1.15 142 79	91 7.5 1770 9.7 1.15	91 7.5 1770 7.8 1.15 57 79			
84.5 7.5 1755 30.6 1.15 218 94	88.5 7.5 1750 23.0 1.15 163 79	91 7.5 1770 19.4 1.15 142 79	91 7.5 1770 9.7 1.15 71 79	91 7.5 1770 7.8 1.15 57 79			
84.5 7.5 1755 30.6 1.15 218 94	88.5 7.5 1750 23.0 1.15 163 79	91 7.5 1770 19.4 1.15 142 79	91 7.5 1770 9.7 1.15 71 79	91 7.5 1770 7.8 1.15 57 79			
84.5 7.5 1755 30.6 1.15 218 94	88.5 7.5 1750 23.0 1.15 163 79	91 7.5 1770 19.4 1.15 142 79	91 7.5 1770 9.7 1.15 71 79 Horizonta	91 7.5 1770 7.8 1.15 57 79			
84.5 7.5 1755 30.6 1.15 218 94	88.5 7.5 1750 23.0 1.15 163 79 orizontal 200 /4" NPT	91 7.5 1770 19.4 1.15 142 79	91 7.5 1770 9.7 1.15 71 79 Horizonta 200 3/4" NF	91 7.5 1770 7.8 1.15 57 79			
84.5 7.5 1755 30.6 1.15 218 94	88.5 7.5 1750 23.0 1.15 163 79 orizontal 200 /4" NPT 76	91 7.5 1770 19.4 1.15 142 79	91 7.5 1770 9.7 1.15 71 79 Horizonta 200 3/4" NF	91 7.5 1770 7.8 1.15 57 79			
84.5 7.5 1755 30.6 1.15 218 94	88.5 7.5 1750 23.0 1.15 163 79 orizontal 200 /4" NPT 76 29	91 7.5 1770 19.4 1.15 142 79	91 7.5 1770 9.7 1.15 71 79 Horizonta 200 3/4" NF 82 31	91 7.5 1770 7.8 1.15 57 79			
84.5 7.5 1755 30.6 1.15 218 94	88.5 7.5 1750 23.0 1.15 163 79 orizontal 200 /4" NPT 76 29 54	91 7.5 1770 19.4 1.15 142 79	91 7.5 1770 9.7 1.15 71 79 Horizonta 200 3/4" NF 82 31 55	91 7.5 1770 7.8 1.15 57 79			
84.5 7.5 1755 30.6 1.15 218 94	88.5 7.5 1750 23.0 1.15 163 79 orizontal 200 /4" NPT 76 29 54	91 7.5 1770 19.4 1.15 142 79	91 7.5 1770 9.7 1.15 71 79 Horizonta 200 3/4" NF 82 31 55	91 7.5 1770 7.8 1.15 57 79			
		1-230V 3-200V IP21 IP23	C79A 2 Centro-Ring Pressur Disc Valv 500 - 900 870 5.53 5" - 2.5" 3.5" 1 1/4"NP 7/8" OD 16.375" 16.125" 3 A N/A 4 Pints Ea Suction he 82 1-230V 3-200V 3-230V IP21 IP23 IP23	C79A 2 Centro-Ring Pressure lubrication Disc Valve 500 - 900 870 5.53 5" - 2.5" 3.5" 1 1/4"NPT 7/8" OD 16.375" 16.125" 3 A N/A 4 Pints Each Suction head 82 1-230V 3-200V 3-230V 3-460 IP21 IP23 IP23 IP23 IP23			

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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ML7.5 BASE MOUNTED

TECHNICAL DATA

Capacity and power: ISO-1217(1996 annex #C)							
Normal working pressure - psi	175						
Capacity at normal working press - cfm	28.7						
Basic Pump							
Model	C79A						
Stage	2						
Lubrication type	Centro-Ring Pressure lubrication						
Valve type	Disc Valve						
RPM (min – max) – rpm	500 - 900						
Outfit RPM	880						
BHP – HP	5.53						
Bore (LP/HP) – inch	5" – 2.5 "						
Stroke – inch			3.5"				
Inlet size			1 1/4"NPT				
Discharge size			7/8" OD				
Sheave OD			16.375"				
Sheave PD			16.125"				
Number of belts			3				
Belt section			A	15			
Low oil sight glass	N/A						
Oil quantity	4 Pints						
Unloaders and Method	Suction Head						
Noise level – dB(A)	82						
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		
Lindicity - 70							
	7.5	7.5	7.5	7.5	7.5		
Nominal rated power – HP Speed of rotation - rpm		7.5 1750	7.5 1770		7.5 1770		
Nominal rated power – HP	7.5			7.5			
Nominal rated power – HP Speed of rotation - rpm	7.5 1755	1750	1770	7.5 1770	1770		
Nominal rated power – HP Speed of rotation - rpm FLA	7.5 1755 30.6	1750 23.0	1770 19.4	7.5 1770 9.7	1770 7.8		
Nominal rated power – HP Speed of rotation - rpm FLA Service factor	7.5 1755 30.6 1.15	1750 23.0 1.15	1770 19.4 1.15	7.5 1770 9.7 1.15	1770 7.8 1.15		
Nominal rated power – HP Speed of rotation - rpm FLA Service factor Locked rotor current – A	7.5 1755 30.6 1.15 218	1750 23.0 1.15 163	1770 19.4 1.15 142	7.5 1770 9.7 1.15 71	1770 7.8 1.15 57		
Nominal rated power – HP Speed of rotation - rpm FLA Service factor Locked rotor current – A Power Factor	7.5 1755 30.6 1.15 218	1750 23.0 1.15 163	1770 19.4 1.15 142	7.5 1770 9.7 1.15 71	1770 7.8 1.15 57		
Nominal rated power – HP Speed of rotation - rpm FLA Service factor Locked rotor current – A Power Factor Installation condition	7.5 1755 30.6 1.15 218	1750 23.0 1.15 163	1770 19.4 1.15 142 79	7.5 1770 9.7 1.15 71	1770 7.8 1.15 57		
Nominal rated power – HP Speed of rotation - rpm FLA Service factor Locked rotor current – A Power Factor Installation condition Allowed ambient temperature min - max - °F Compressor dimensions	7.5 1755 30.6 1.15 218	1750 23.0 1.15 163 79	1770 19.4 1.15 142 79	7.5 1770 9.7 1.15 71 79	1770 7.8 1.15 57		
Nominal rated power – HP Speed of rotation - rpm FLA Service factor Locked rotor current – A Power Factor Installation condition Allowed ambient temperature min - max - °F	7.5 1755 30.6 1.15 218	1750 23.0 1.15 163 79	1770 19.4 1.15 142 79	7.5 1770 9.7 1.15 71 79	1770 7.8 1.15 57		
Nominal rated power – HP Speed of rotation - rpm FLA Service factor Locked rotor current – A Power Factor Installation condition Allowed ambient temperature min - max - °F Compressor dimensions Air Receiver Type	7.5 1755 30.6 1.15 218	1750 23.0 1.15 163 79	1770 19.4 1.15 142 79 32-104	7.5 1770 9.7 1.15 71 79	1770 7.8 1.15 57		
Nominal rated power – HP Speed of rotation - rpm FLA Service factor Locked rotor current – A Power Factor Installation condition Allowed ambient temperature min - max - °F Compressor dimensions Air Receiver Type Air receiver size (Gal)	7.5 1755 30.6 1.15 218	1750 23.0 1.15 163 79	1770 19.4 1.15 142 79 32-104 Base Mounted	7.5 1770 9.7 1.15 71 79	1770 7.8 1.15 57		
Nominal rated power – HP Speed of rotation - rpm FLA Service factor Locked rotor current – A Power Factor Installation condition Allowed ambient temperature min - max - °F Compressor dimensions Air Receiver Type Air receiver size (Gal) Compressor outlet	7.5 1755 30.6 1.15 218	1750 23.0 1.15 163 79	1770 19.4 1.15 142 79 32-104 Base Mounted N/A 1" NPT	7.5 1770 9.7 1.15 71 79	1770 7.8 1.15 57		
Nominal rated power – HP Speed of rotation - rpm FLA Service factor Locked rotor current – A Power Factor Installation condition Allowed ambient temperature min - max - °F Compressor dimensions Air Receiver Type Air receiver size (Gal) Compressor outlet Length – inch	7.5 1755 30.6 1.15 218	1750 23.0 1.15 163 79	1770 19.4 1.15 142 79 32-104 Base Mounted N/A 1" NPT 34	7.5 1770 9.7 1.15 71 79	1770 7.8 1.15 57		
Nominal rated power – HP Speed of rotation - rpm FLA Service factor Locked rotor current – A Power Factor Installation condition Allowed ambient temperature min - max - °F Compressor dimensions Air Receiver Type Air receiver size (Gal) Compressor outlet Length – inch Width – inch	7.5 1755 30.6 1.15 218	1750 23.0 1.15 163 79	1770 19.4 1.15 142 79 32-104 Base Mounted N/A 1" NPT 34 31	7.5 1770 9.7 1.15 71 79	1770 7.8 1.15 57		
Nominal rated power – HP Speed of rotation - rpm FLA Service factor Locked rotor current – A Power Factor Installation condition Allowed ambient temperature min - max - °F Compressor dimensions Air Receiver Type Air receiver size (Gal) Compressor outlet Length – inch Width – inch Height – inch	7.5 1755 30.6 1.15 218	1750 23.0 1.15 163 79	1770 19.4 1.15 142 79 32-104 Base Mounted N/A 1" NPT 34 31 32	7.5 1770 9.7 1.15 71 79	1770 7.8 1.15 57		
Nominal rated power – HP Speed of rotation - rpm FLA Service factor Locked rotor current – A Power Factor Installation condition Allowed ambient temperature min - max - °F Compressor dimensions Air Receiver Type Air receiver size (Gal) Compressor outlet Length – inch Width – inch Height – inch Weight – Lbs.	7.5 1755 30.6 1.15 218	1750 23.0 1.15 163 79	1770 19.4 1.15 142 79 32-104 Base Mounted N/A 1" NPT 34 31 32	7.5 1770 9.7 1.15 71 79	1770 7.8 1.15 57		

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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