

ML7.5 SIMPLEX

TECHNICAL DATA

Capacity at normal working press - cfm	Capacity and power: ISO-1217(1996 annex #C)							
Model C79A Stage 2	Normal working pressure - psi							
Model C79A Stage 2	Capacity at normal working press - cfm	28.7						
Model C79A Stage 2	Basic Pump							
Centro-Ring Pressure lubrication Valve type	Model	C79A						
Centro-Ring Pressure Iubrication	Stage							
RPM (min - max) - rpm	Lubrication type							
Surfix S	Valve type							
BHP - HP S.53				500 -	900			
Bore (LP/HP) - inch	Outfit RPM							
Stroke - inch 3.5" Inlet size 1.14"NPT Discharge size 7/8" OD Sheave OD 16.375" Sheave PD 16.125" Number of belts 3 Belt section A 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 Sheade of rotation - rpm 1755 1750 1770 1								
Inlet size	Bore (LP/HP) – inch							
Discharge size 7/8" OD 16.375" Sheave PD 16.125" Number of belts 3 Sheave PD								
Sheave OD								
Sheave PD								
Number of belts Selt section A								
Belt section								
N/A Oil quantity 4 Pints								
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 <th col<="" td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th>	<td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
Suction Head Suction Head Noise level - dB(A) 82								
Noise level – dB(A) 82 Notor 1-230V 3-200V 3-230V 3-460 3-575V	•							
Note								
P21 P23 P34 P34						-		
F F F F F F F F F F F F F F F F F F F								
Efficiency - % 84.5 88.5 91 91 91 Nominal rated power - HP 7.5								
Nominal rated power - HP		-						
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 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 Vertical Vertical UP Horizontal Horizontal UP	•							
Service factor 1.15	•							
Service factor								
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) Air receiver size (Gal) 80 80 80 80 Compressor outlet 1/2" NPT 29 Width – inch 30 31 26 29								
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 29 40								
Installation condition								
Allowed ambient temperature min - max - °F Compressor dimensions Air Receiver Type Air receiver size (Gal) Compressor outlet 1/2" NPT		94	79	/	9	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 67 67 Width – inch 30 31 26 29								
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 67 67 Width – inch 30 31 26 29		32-104						
Air receiver size (Gal) 80 80 80 80 Compressor outlet 1/2" NPT 67	Compressor dimensions							
Compressor outlet 1/2" NPT 1/2" NPT 1/2" NPT 1/2" NPT Length – inch 36 39 67 67 Width – inch 30 31 26 29	Air Receiver Type			Vertical UP		izontal	Horizontal UP	
Length – inch 36 39 67 67 Width – inch 30 31 26 29	Air receiver size (Gal)			80				
Width – inch 30 31 26 29	Compressor outlet							
	Length – inch							
Height – inch 75 76 49 50	Width – inch							
	Height – inch							
•	Weight – Lbs.	650	700		(650	700	
Air Cooled Aftercooler (Option)	Air Cooled Aftercooler (Option)							
•	Availability			Ye	es			
Air cooled aftercooler CTD - °F 18	Air cooled aftercooler CTD - °F			1	8			

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.



ML7.5 DUPLEX

TECHNICAL DATA

Capacity and power: ISO-1217(1996 annex #C)							
Normal working pressure - psi		175					
Capacity at normal working press - cfm		57.4					
Basic Pump							
Model		C79A					
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	7"			
Stroke – inch			3.5"				
Inlet size			1 1/4"NF	PT			
Discharge size			7/8" OI				
Sheave OD			16.375				
Sheave PD			16.125				
Number of belts			3				
Belt section			A				
Low oil sight glass			N/A				
Oil quantity			4 Pints Ea	ach			
Unloaders and Method			Suction h				
Noise level – dB(A)			82	<u> </u>			
Motor	1-230V	3-200V	3-230\	/ 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	7.0			1770			
	1755	1750	1770		1770		
	1755 30.6	1750 23.0	1770 19.4		1770 7.8		
FLA	30.6	23.0	19.4	9.7	7.8		
FLA Service factor	30.6 1.15	23.0 1.15	19.4 1.15	9.7 1.15	7.8 1.15		
FLA Service factor Locked rotor current – A	30.6 1.15 218	23.0 1.15 163	19.4 1.15 142	9.7 1.15 71	7.8 1.15 57		
FLA Service factor Locked rotor current – A Power Factor	30.6 1.15	23.0 1.15	19.4 1.15	9.7 1.15	7.8 1.15		
FLA Service factor Locked rotor current – A Power Factor Installation condition	30.6 1.15 218	23.0 1.15 163	19.4 1.15 142 79	9.7 1.15 71 79	7.8 1.15 57		
FLA Service factor Locked rotor current – A Power Factor Installation condition Allowed ambient temperature min - max - °F	30.6 1.15 218	23.0 1.15 163	19.4 1.15 142	9.7 1.15 71 79	7.8 1.15 57		
FLA Service factor Locked rotor current – A Power Factor Installation condition Allowed ambient temperature min - max - °F Compressor dimensions	30.6 1.15 218 94	23.0 1.15 163 79	19.4 1.15 142 79	9.7 1.15 71 79	7.8 1.15 57 79		
FLA Service factor Locked rotor current – A Power Factor Installation condition Allowed ambient temperature min - max - °F Compressor dimensions Air Receiver Type	30.6 1.15 218 94	23.0 1.15 163 79	19.4 1.15 142 79	9.7 1.15 71 79 Horizontal	7.8 1.15 57 79		
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)	30.6 1.15 218 94	23.0 1.15 163 79 Iorizontal 200	19.4 1.15 142 79	9.7 1.15 71 79 Horizontal 200	7.8 1.15 57 79		
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	30.6 1.15 218 94	23.0 1.15 163 79 lorizontal 200 3/4" NPT	19.4 1.15 142 79	9.7 1.15 71 79 Horizontal 200 3/4" NP	7.8 1.15 57 79		
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	30.6 1.15 218 94	23.0 1.15 163 79 lorizontal 200 8/4" NPT 76	19.4 1.15 142 79	9.7 1.15 71 79 Horizontal 200 3/4" NP	7.8 1.15 57 79		
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	30.6 1.15 218 94	23.0 1.15 163 79 lorizontal 200 8/4" NPT 76 29	19.4 1.15 142 79	9.7 1.15 71 79 Horizontal 200 3/4" NP 82 31	7.8 1.15 57 79		
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	30.6 1.15 218 94	23.0 1.15 163 79 lorizontal 200 8/4" NPT 76 29 54	19.4 1.15 142 79	9.7 1.15 71 79 Horizontal 200 3/4" NP 82 31 55	7.8 1.15 57 79		
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.	30.6 1.15 218 94	23.0 1.15 163 79 lorizontal 200 8/4" NPT 76 29	19.4 1.15 142 79	9.7 1.15 71 79 Horizontal 200 3/4" NP 82 31	7.8 1.15 57 79		
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. Air Cooled Aftercooler (Option)	30.6 1.15 218 94	23.0 1.15 163 79 lorizontal 200 8/4" NPT 76 29 54	19.4 1.15 142 79 32-104	9.7 1.15 71 79 Horizontal 200 3/4" NP 82 31 55	7.8 1.15 57 79		
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.	30.6 1.15 218 94	23.0 1.15 163 79 lorizontal 200 8/4" NPT 76 29 54	19.4 1.15 142 79	9.7 1.15 71 79 Horizontal 200 3/4" NP 82 31 55	7.8 1.15 57 79		

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.



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 Number of belts			16.125"				
Belt section			3				
Low oil sight glass			A 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						
Efficiency - % Nominal rated power – HP	84.5 7.5						
Nominal rated power – HP	7.5	7.5	7.5	7.5	7.5		
	7.5 1755	7.5 1750			7.5 1770		
Nominal rated power – HP Speed of rotation - rpm	7.5	7.5	7.5 1770	7.5 1770	7.5		
Nominal rated power – HP Speed of rotation - rpm FLA	7.5 1755 30.6	7.5 1750 23.0	7.5 1770 19.4	7.5 1770 9.7	7.5 1770 7.8		
Nominal rated power – HP Speed of rotation - rpm FLA Service factor	7.5 1755 30.6 1.15	7.5 1750 23.0 1.15	7.5 1770 19.4 1.15	7.5 1770 9.7 1.15	7.5 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	7.5 1750 23.0 1.15 163	7.5 1770 19.4 1.15 142	7.5 1770 9.7 1.15 71	7.5 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	7.5 1750 23.0 1.15 163	7.5 1770 19.4 1.15 142	7.5 1770 9.7 1.15 71	7.5 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	7.5 1750 23.0 1.15 163	7.5 1770 19.4 1.15 142 79	7.5 1770 9.7 1.15 71	7.5 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	7.5 1750 23.0 1.15 163 79	7.5 1770 19.4 1.15 142 79	7.5 1770 9.7 1.15 71 79	7.5 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	7.5 1750 23.0 1.15 163 79	7.5 1770 19.4 1.15 142 79 32-104 Base Mounted	7.5 1770 9.7 1.15 71 79	7.5 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	7.5 1750 23.0 1.15 163 79	7.5 1770 19.4 1.15 142 79 32-104	7.5 1770 9.7 1.15 71 79	7.5 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	7.5 1750 23.0 1.15 163 79	7.5 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	7.5 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	7.5 1750 23.0 1.15 163 79	7.5 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	7.5 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	7.5 1750 23.0 1.15 163 79	7.5 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	7.5 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 Weight – Lbs.	7.5 1755 30.6 1.15 218	7.5 1750 23.0 1.15 163 79	7.5 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	7.5 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	7.5 1750 23.0 1.15 163 79	7.5 1770 19.4 1.15 142 79 32-104 Base Mounted N/A 1" NPT 34 31 32 400	7.5 1770 9.7 1.15 71 79	7.5 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 Weight – Lbs.	7.5 1755 30.6 1.15 218	7.5 1750 23.0 1.15 163 79	7.5 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	7.5 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).
 Due to continuous product development at FS-CURTIS, design and specifications are subject to change without notice.