

## ML7.5 SIMPLEX TECHNICAL DATA

<b>Capacity and power: ISO-1217(1996 annex #C)</b>					
Normal working pressure - psi	175				
Capacity at normal working press - cfm	28.7				
<b>Basic Pump</b>					
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"				
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				
Low oil sight glass	N/A				
Oil quantity	4 Pints				
Unloaders and Method	Suction Head				
Noise level – dB(A)	82				
<b>Motor</b>	<b>1-230V</b>	<b>3-200V</b>	<b>3-230V</b>	<b>3-460</b>	<b>3-575V</b>
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
<b>Installation condition</b>					
Allowed ambient temperature min - max - °F	32-104				
<b>Compressor dimensions</b>					
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	
Height – inch	75	76	49	50	
Weight – Lbs.	650	700	650	700	
<b>Air Cooled Aftercooler (Option)</b>					
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.

## ML7.5 DUPLEX

### TECHNICAL DATA

<b>Capacity and power: ISO-1217(1996 annex #C)</b>					
Normal working pressure - psi	175				
Capacity at normal working press - cfm	57.4				
<b>Basic Pump</b>					
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"				
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				
Low oil sight glass	N/A				
Oil quantity	4 Pints Each				
Unloaders and Method	Suction head				
Noise level – dB(A)	82				
<b>Motor</b>	<b>1-230V</b>	<b>3-200V</b>	<b>3-230V</b>	<b>3-460</b>	<b>3-575V</b>
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
<b>Installation condition</b>					
Allowed ambient temperature min - max - °F	32-104				
<b>Compressor dimensions</b>					
Air Receiver Type	Horizontal		Horizontal UP		
Air receiver size (Gal)	200		200		
Compressor outlet	3/4" NPT		3/4" NPT		
Length – inch	76		82		
Width – inch	29		31		
Height – inch	54		55		
Weight – Lbs.	1200		1300		
<b>Air Cooled Aftercooler (Option)</b>					
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.

## ML7.5 BASE MOUNTED TECHNICAL DATA

<b>Capacity and power: ISO-1217(1996 annex #C)</b>					
Normal working pressure - psi	175				
Capacity at normal working press - cfm	28.7				
<b>Basic Pump</b>					
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				
Low oil sight glass	N/A				
Oil quantity	4 Pints				
Unloaders and Method	Suction Head				
Noise level – dB(A)	82				
<b>Motor</b>	<b>1-230V</b>	<b>3-200V</b>	<b>3-230V</b>	<b>3-460</b>	<b>3-575V</b>
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
<b>Installation condition</b>					
Allowed ambient temperature min - max - °F	32-104				
<b>Compressor dimensions</b>					
Air Receiver Type	Base Mounted				
Air receiver size (Gal)	N/A				
Compressor outlet	1" NPT				
Length – inch	34				
Width – inch	31				
Height – inch	32				
Weight – Lbs.	400				
<b>Air Cooled Aftercooler (Option)</b>					
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.