

## ML5 SIMPLEX TECHNICAL DATA

<b>Capacity and power: ISO-1217(1996 annex #C)</b>					
Normal working pressure - psi	175				
Capacity at normal working press - cfm	19.1				
<b>Basic Pump</b>					
Model	D96A				
Stage	2				
Lubrication type	Centro-Ring Pressure Lubrication				
Valve type	Disc Valve				
RPM (min – max) – rpm	500 - 800				
Outfit RPM	620				
BHP – HP	4.44				
Bore (LP/HP) – inch	4.5"-2.3125"				
Stroke – inch	3.5"				
Inlet size	Rc1 BSPT				
Discharge size	7/8" OD				
Sheave OD	16.375"				
Sheave PD	16.125"				
Number of belts	2				
Belt section	A				
Low oil sight glass	N/A				
Oil quantity	4 Pints				
Unloaders and Method	Suction Head				
Noise level – dB(A)	78				
<b>Motor</b>	<b>1-230V</b>	<b>3-200V</b>	<b>3-230V</b>	<b>3-460</b>	<b>3-575V</b>
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
<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	32	26	29	
Height – inch	77	78	51	52	
Weight – Lbs.	600	650	600	650	
<b>Air Cooled Aftercooler (Option)</b>					
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.

## ML5 DUPLEX TECHNICAL DATA

<b>Capacity and power: ISO-1217(1996 annex #C)</b>					
Normal working pressure - psi	175				
Capacity at normal working press - cfm	38.2				
<b>Basic Pump</b>					
Model	D96A				
Stage	2				
Lubrication type	Centro-Ring Pressure Lubrication				
Valve type	Disc Valve				
RPM (min – max) – rpm	500 - 800				
Outfit RPM	620				
BHP – HP	4.44				
Bore (LP/HP) – inch	4.5"-2.3125"				
Stroke – inch	3.5"				
Inlet size	Rc1 BSPT				
Discharge size	7/8" OD				
Sheave OD	16.375"				
Sheave PD	16.125"				
Number of belts	2				
Belt section	A				
Low oil sight glass	N/A				
Oil quantity	4 Pints Each				
Unloaders and Method	Suction Head				
Noise level – dB(A)	78				
<b>Motor</b>	<b>1-230V</b>	<b>3-200V</b>	<b>3-230V</b>	<b>3-460</b>	<b>3-575V</b>
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
<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)	120		120		
Compressor outlet	3/4" NPT		3/4" NPT		
Length – inch	76		83		
Width – inch	29		31		
Height – inch	56		57		
Weight – Lbs.	1025		1095		
<b>Air Cooled Aftercooler (Option)</b>					
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.

## ML5 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	19.1				
<b>Basic Pump</b>					
Model	D96A				
Stage	2				
Lubrication type	Centro-Ring pressure Lubrication				
Valve type	Disc Valve				
RPM (min – max) – rpm	500 - 800				
Outfit RPM	620				
BHP – HP	4.44				
Bore (LP/HP) – inch	4.5"-2.3125"				
Stroke – inch	3.5"				
Inlet size	Rc1 BSPT				
Discharge size	7/8" OD				
Sheave OD	16.375"				
Sheave PD	16.125"				
Number of belts	2				
Belt section	A				
Low oil sight glass	N/A				
Oil quantity	4 Pints				
Unloaders and Method	Suction Head				
Noise level – dB(A)	78				
<b>Motor</b>	<b>1-230V</b>	<b>3-200V</b>	<b>3-230V</b>	<b>3-460</b>	<b>3-575V</b>
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
<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	35				
Width – inch	31				
Height – inch	34				
Weight – Lbs.	350				
<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.