

ML10 SIMPLEX

TECHNICAL DATA

Capacity and power: ISO-1217(1996 annex #C)					
Normal working pressure - psi	175				
Capacity at normal working press - cfm		39.8			
Basic Pump					
Model	D97A				
Stage	2				
Lubrication type	Centro-Ring Pressure lubrication				
Valve type	Disc Valve				
RPM (min – max) – rpm	500 - 800				
Outfit RPM	600				
BHP – HP	9.34				
Bore (LP/HP) – inch	6.25" – 3.375 "				
Stroke – inch		3.75"			
Inlet size		1 1/4'			
Discharge size		1 1/4			
Sheave OD		17.8			
Sheave PD		17.			
Number of belts		3			
Belt section		E			
Low oil sight glass		N/	'A		
Oil quantity		5 P	ints		
Unloaders and Method		Suction	n Head		
Noise level – dB(A)		8			
Motor	3-200V	3-230V	3-460	3-575V	
Enclosure	IP23	IP23	IP23	IP23	
Insulation Class	F	F	F	F	
Efficiency - %	89.5	91.7	91.7	91.7	
Nominal rated power – HP	10	10	10	10	
Speed of rotation - rpm	1765	1770	1770	4==0	
		1770	1770	1770	
FLA	30.8	25.0	12.5	1770	
FLA Service factor					
	30.8	25.0	12.5	10.0	
Service factor	30.8	25.0 1.15	12.5 1.15	10.0 1.15	
Service factor Locked rotor current – A	30.8 1.15 218	25.0 1.15 168	12.5 1.15 84	10.0 1.15 67	
Service factor Locked rotor current – A Power Factor	30.8 1.15 218	25.0 1.15 168	12.5 1.15 84 82	10.0 1.15 67	
Service factor Locked rotor current – A Power Factor Installation condition	30.8 1.15 218	25.0 1.15 168 82	12.5 1.15 84 82	10.0 1.15 67	
Service factor Locked rotor current – A Power Factor Installation condition Allowed ambient temperature min - max - °F	30.8 1.15 218	25.0 1.15 168 82 32-	12.5 1.15 84 82	10.0 1.15 67	
Service factor Locked rotor current – A Power Factor Installation condition Allowed ambient temperature min - max - °F Compressor dimensions	30.8 1.15 218 78	25.0 1.15 168 82 32-	12.5 1.15 84 82 104 Horizo	10.0 1.15 67 82	
Service factor Locked rotor current – A Power Factor Installation condition Allowed ambient temperature min - max - °F Compressor dimensions Air Receiver Type	30.8 1.15 218 78	25.0 1.15 168 82 32- ontal	12.5 1.15 84 82 104 Horizo	10.0 1.15 67 82	
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)	30.8 1.15 218 78 Horizo	25.0 1.15 168 82 32- ontal 0	12.5 1.15 84 82 104 Horizo 1: 3/4"	10.0 1.15 67 82	
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	30.8 1.15 218 78 Horizo 12 3/4" N	25.0 1.15 168 82 32- ontal 0 NPT	12.5 1.15 84 82 104 Horizo 12 3/4"	10.0 1.15 67 82 ntal UP 20 NPT	
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	30.8 1.15 218 78 Horize 12 3/4" N	25.0 1.15 168 82 32- ontal 0 NPT 4	12.5 1.15 84 82 104 Horizo 12 3/4" 7	10.0 1.15 67 82 ntal UP 20 NPT	
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	30.8 1.15 218 78 Horize 3/4" I 72	25.0 1.15 168 82 32- ontal 0 NPT 4 3	12.5 1.15 84 82 104 Horizo 12 3/4" 7	10.0 1.15 67 82 ntal UP 20 NPT	
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	30.8 1.15 218 78 Horize 12 3/4" N 74	25.0 1.15 168 82 32- ontal 0 NPT 4 3	12.5 1.15 84 82 104 Horizo 12 3/4" 7	10.0 1.15 67 82 ntal UP 20 NPT 4	
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 – Lbs.	30.8 1.15 218 78 Horize 12 3/4" N 74	25.0 1.15 168 82 32- ontal 0 NPT 4 3	12.5 1.15 84 82 104 Horizo 12 3/4" 7 3	10.0 1.15 67 82 ntal UP 20 NPT 4	

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.



ML10 DUPLEX

TECHNICAL DATA

Capacity and power: ISO-1217(1996 annex #C)				
Normal working pressure - psi	175			
Capacity at normal working press - cfm	79.6			
Basic Pump				
Model		D9	7A	
Stage	2			
Lubrication type	Centro-Ring Pressure lubrication			
Valve type	Disc Valve			
RPM (min – max) – rpm	500 - 800			
Outfit RPM	600			
BHP – HP	9.34			
Bore (LP/HP) – inch	6.25" – 3.375 "			
Stroke – inch	3.75"			
Inlet size		1 1/4"		
Discharge size		1 1/4		
Sheave OD		17.8		
Sheave PD		17.		
Number of belts		3		
Belt section		E		
Low oil sight glass		N/		
Oil quantity		5 Pints		
Unloaders and Method		Suction		
Noise level – dB(A)		8:		
Motor	3-200V 3-230V 3-460 3-575V			
Enclosure	IP23	IP23	IP23	IP23
Insulation Class	F	F F	F	F
Efficiency - %	89.5	91.7	91.7	91.7
Nominal rated power – HP	10	10	10	10
Speed of rotation - rpm	1765	1770	1770	1770
FLA	30.8	25.0	12.5	10.0
Service factor	1.15	1.15	1.15	1.15
Locked rotor current – A	218	168	84	67
Power Factor	78	82	82	82
Installation condition	10			
Allowed ambient temperature min - max - °F		32-	104	
Compressor dimensions		-	-	
Air Receiver Type	Horiz	ontal	Horizontal UP	
Air receiver size (Gal)	20	00		200
Compressor outlet	1" N	IPT	1" NPT	
Length – inch	8	8	90	
Width – inch	3	2		37
Height – inch	6	4		64
Weight – Lbs.	18	00	19	950
Air Cooled Aftercooler (Option)				
Availability	Yes			
Availability	Yes 18			
Air cooled aftercooler CTD - °F				

- 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.



ML10 BASE MOUNTED

TECHNICAL DATA

Capacity and power: ISO-1217(1996 annex #C)					
Normal working pressure - psi	175				
Capacity at normal working press - cfm	39.8				
Basic Pump					
Model	D97A				
Stage	2				
Lubrication type	Centro-Ring Pressure lubrication				
Valve type	Disc Valve				
RPM (min – max) – rpm	500 - 800				
Outfit RPM	600				
BHP – HP	9.34				
Bore (LP/HP) – inch	6.25" – 3.375"				
Stroke – inch	3.75"				
Inlet size		1 1/4"			
Discharge size		1 1/4			
Sheave OD		17.8			
Sheave PD		17.	52"		
Number of belts		3			
Belt section		E	3		
Low oil sight glass		N/	'A		
Oil quantity		5 Pi	ints		
Unloaders and Method		Suction	n Head		
Noise level – dB(A)		8:	2		
Motor	3-200V	3-230V	3-460	3-575V	
			0 400		
Enclosure	IP23	IP23	IP23	IP23	
Enclosure Insulation Class					
	IP23	IP23	IP23	IP23	
Insulation Class	IP23 F	IP23 F	IP23 F	IP23 F	
Insulation Class Efficiency - %	IP23 F 89.5	IP23 F 91.7	IP23 F 91.7	IP23 F 91.7	
Insulation Class Efficiency - % Nominal rated power – HP	IP23 F 89.5 10	IP23 F 91.7 10	IP23 F 91.7 10	IP23 F 91.7 10	
Insulation Class Efficiency - % Nominal rated power – HP Speed of rotation - rpm	IP23 F 89.5 10 1765	IP23 F 91.7 10 1770	IP23 F 91.7 10 1770	IP23 F 91.7 10 1770	
Insulation Class Efficiency - % Nominal rated power – HP Speed of rotation - rpm FLA	IP23 F 89.5 10 1765 30.8	IP23 F 91.7 10 1770 25.0	IP23 F 91.7 10 1770 12.5	IP23 F 91.7 10 1770 10.0	
Insulation Class Efficiency - % Nominal rated power – HP Speed of rotation - rpm FLA Service factor	IP23 F 89.5 10 1765 30.8 1.15	IP23 F 91.7 10 1770 25.0 1.15	IP23 F 91.7 10 1770 12.5 1.15	IP23 F 91.7 10 1770 10.0 1.15	
Insulation Class Efficiency - % Nominal rated power – HP Speed of rotation - rpm FLA Service factor Locked rotor current – A	IP23 F 89.5 10 1765 30.8 1.15 218	IP23 F 91.7 10 1770 25.0 1.15	IP23 F 91.7 10 1770 12.5 1.15 84	IP23 F 91.7 10 1770 10.0 1.15 67	
Insulation Class Efficiency - % Nominal rated power – HP Speed of rotation - rpm FLA Service factor Locked rotor current – A Power Factor	IP23 F 89.5 10 1765 30.8 1.15 218	IP23 F 91.7 10 1770 25.0 1.15	IP23 F 91.7 10 1770 12.5 1.15 84 82	IP23 F 91.7 10 1770 10.0 1.15 67	
Insulation Class Efficiency - % Nominal rated power – HP Speed of rotation - rpm FLA Service factor Locked rotor current – A Power Factor Installation condition	IP23 F 89.5 10 1765 30.8 1.15 218	IP23 F 91.7 10 1770 25.0 1.15 168 82	IP23 F 91.7 10 1770 12.5 1.15 84 82	IP23 F 91.7 10 1770 10.0 1.15 67	
Insulation Class Efficiency - % 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	IP23 F 89.5 10 1765 30.8 1.15 218	IP23 F 91.7 10 1770 25.0 1.15 168 82	IP23 F 91.7 10 1770 12.5 1.15 84 82	IP23 F 91.7 10 1770 10.0 1.15 67	
Insulation Class Efficiency - % 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	IP23 F 89.5 10 1765 30.8 1.15 218	IP23 F 91.7 10 1770 25.0 1.15 168 82	IP23 F 91.7 10 1770 12.5 1.15 84 82	IP23 F 91.7 10 1770 10.0 1.15 67	
Insulation Class Efficiency - % 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	IP23 F 89.5 10 1765 30.8 1.15 218	IP23 F 91.7 10 1770 25.0 1.15 168 82 32-	IP23 F 91.7 10 1770 12.5 1.15 84 82	IP23 F 91.7 10 1770 10.0 1.15 67	
Insulation Class Efficiency - % 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)	IP23 F 89.5 10 1765 30.8 1.15 218	IP23 F 91.7 10 1770 25.0 1.15 168 82 32-	IP23 F 91.7 10 1770 12.5 1.15 84 82 104 ounted A IPT	IP23 F 91.7 10 1770 10.0 1.15 67	
Insulation Class Efficiency - % 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	IP23 F 89.5 10 1765 30.8 1.15 218	IP23 F 91.7 10 1770 25.0 1.15 168 82 32-4 Base M N/ 1" N	IP23 F 91.7 10 1770 12.5 1.15 84 82 104 ounted A IPT 5	IP23 F 91.7 10 1770 10.0 1.15	
Insulation Class Efficiency - % 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	IP23 F 89.5 10 1765 30.8 1.15 218	IP23 F 91.7 10 1770 25.0 1.15 168 82 Base M N/ 1" N	IP23 F 91.7 10 1770 12.5 1.15 84 82 104 Counted A IPT 5	IP23 F 91.7 10 1770 10.0 1.15	
Insulation Class Efficiency - % 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	IP23 F 89.5 10 1765 30.8 1.15 218	IP23 F 91.7 10 1770 25.0 1.15 168 82 Base M N/ 1" N 3:	IP23 F 91.7 10 1770 12.5 1.15 84 82 104 Counted CA IPT 5 1	IP23 F 91.7 10 1770 10.0 1.15 67	
Insulation Class Efficiency - % 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	IP23 F 89.5 10 1765 30.8 1.15 218	IP23 F 91.7 10 1770 25.0 1.15 168 82 32- Base M N/ 1" N 3: 3 3 3	IP23 F 91.7 10 1770 12.5 1.15 84 82 104 Counted CA IPT 5 1	IP23 F 91.7 10 1770 10.0 1.15 67	
Insulation Class Efficiency - % 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 – Lbs.	IP23 F 89.5 10 1765 30.8 1.15 218	IP23 F 91.7 10 1770 25.0 1.15 168 82 32- Base M N/ 1" N 3: 3 3 3	IP23 F 91.7 10 1770 12.5 1.15 84 82 104 ounted A IPT 5 1 4 75	IP23 F 91.7 10 1770 10.0 1.15 67	

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.