

## ML20+ SIMPLEX

### **TECHNICAL DATA**

Capacity and power: ISO-1217(1996 annex #C)							
Normal working pressure - psi	17	175 250		50			
Capacity at normal working press - cfm	79	79.3 49.4					
Basic Pump							
Model		Cg	18A				
Stage	2						
Lubrication type	Centro-Ring pressure lube						
Valve type	Disc Valve						
RPM (min – max) – rpm	500 - 950						
Outfit RPM	765 577						
BHP – HP	23.71 17.8						
Bore (LP/HP) – inch	7.5" – 4.19"						
Stroke – inch		5"					
Inlet size	2"NPT						
Discharge size		1 1/4" OD					
Sheave OD		21"					
Sheave PD	20.65"						
Number of belts	4						
Belt section	В						
Low oil sight glass	Dip Stick						
Oil quantity	6 quarts						
Unloaders and Method		Suction Head Unloaders					
Noise level – dB(A)		89					
Motor	3-200V						
Enclosure	IP23	IP23	IP23	IP23			
Insolation Class	F	F	F	F			
Efficiency - %	91	93	93	93			
Nominal rated power – HP	20	20	20	20			
Speed of rotation - rpm	1760	1765	1765	1765			
FLA	58	47	23.5	18.9			
Service Factor	1.15	1.15	1.15	1.15			
Locked rotor current – A	386	336	168	134			
Power Factor	81	86	86	85			
Installation condition		<u> </u>	<u> </u>	<u>-</u>			
Allowed ambient temperature min - max - °F		32-104					
Compressor dimensions							
Air Receiver Type		Horizontal					
Air receiver size (Gal)		200					
Compressor outlet		1" NPT					
Length – inch		78					
Width – inch		43					
Height – inch		76					
Weight – Lbs.		20	50				
Air Cooled Aftercooler (Option)							
Availability		Y	es				
Air cooled aftercooler CTD - °F			8				
Pamarke							

- 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.



## ML20+ DUPLEX

### **TECHNICAL DATA**

cormal working pressure - psi         175         250           apacity at normal working press - cfm         158.6         98.8           asic Pump         Code!         C98A           aage         2           abrication type         Centro-Ring pressure lube           alve type         Disc Valve           PM (min - max) - rpm         500 - 950           utfit RPM         765         577           HP - HP         23.71         17.8           ore (LP/HP) - inch         7.5" - 4.19"           troke - inch         5"           let size         2"NPT           ischarge size         1 1/4" OD           neave OD         21"           neave PD         20.65"
asic Pump         C98A           dage         2           ubrication type         Centro-Ring pressure lube           alve type         Disc Valve           PM (min – max) – rpm         500 - 950           utfit RPM         765         577           HP – HP         23.71         17.8           ore (LP/HP) – inch         7.5" – 4.19"         17.8           troke – inch         5"         18.8           let size         2"NPT         1.1/4" OD           neave OD         21"         21"
codel         C98A           dage         2           abrication type         Centro-Ring pressure lube           alve type         Disc Valve           PM (min - max) - rpm         500 - 950           utfit RPM         765         577           HP - HP         23.71         17.8           ore (LP/HP) - inch         7.5" - 4.19"           troke - inch         5"           let size         2"NPT           scharge size         1 1/4" OD           neave OD         21"
2
Disc Valve   Disc Valve
Disc Valve   Disc Valve
PM (min – max) – rpm 500 - 950  utfit RPM 765 577  HP – HP 23.71 17.8  ore (LP/HP) – inch 7.5" – 4.19"  troke – inch 5"  let size 2"NPT ischarge size 1 1/4" OD heave OD 21"
utfit RPM     765     577       HP - HP     23.71     17.8       ore (LP/HP) - inch     7.5" - 4.19"       troke - inch     5"       let size     2"NPT       ischarge size     1 1/4" OD       heave OD     21"
utfit RPM     765     577       HP - HP     23.71     17.8       ore (LP/HP) - inch     7.5" - 4.19"       troke - inch     5"       let size     2"NPT       ischarge size     1 1/4" OD       heave OD     21"
ore (LP/HP) – inch       7.5" – 4.19"         troke – inch       5"         let size       2"NPT         ischarge size       1 1/4" OD         heave OD       21"
troke – inch         5"           let size         2"NPT           ischarge size         1 1/4" OD           heave OD         21"
let size         2"NPT           ischarge size         1 1/4" OD           heave OD         21"
ischarge size 1 1/4" OD heave OD 21"
heave OD 21"
neave PD 20.65"
umber of belts 4
elt section B
ow oil sight glass Dip Stick
il quantity 6 quarts
nloaders and Method Suction Head Unloaders
oise level – dB(A) 89
otor 3-200V 3-230V 3-460 3-575V
nclosure IP23 IP23 IP23 IP23
solation Class F F F F
fficiency - % 91 93 93 93
ominal rated power – HP 20 20 20 20
peed of rotation - rpm 1760 1765 1765 1765
_A 58 47 23.5 18.9
ervice Factor 1.15 1.15 1.15 1.15
ocked rotor current – A 386 336 168 134
ower Factor         81         86         85
stallation condition
lowed ambient temperature min - max - °F 32-104
ompressor dimensions
r Receiver Type Horizontal Horizontal UP
r receiver size (Gal) 240 240
ompressor outlet 1" NPT 1" NPT
ength – inch 95 105
/idth – inch         46         53
eight – inch 73 73
eight – Lbs. 3650 3800
ir Cooled Aftercooler (Option)
vailability Yes r 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).
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# ML20+ BASE MOUNTED

## TECHNICAL DATA

Capacity and power: ISO-1217(1996 annex #C)					
Normal working pressure - psi	17	<b>'</b> 5	25	0	
Capacity at normal working press - cfm	79.3 49.4			.4	
Basic Pump					
Model	C98A				
Stage	2				
Lubrication type	Centro-Ring pressure lube				
Valve type	Disc Valve				
RPM (min – max) – rpm	500 - 950				
Outfit RPM	765 577				
BHP – HP	23.71 17.8			.8	
Bore (LP/HP) – inch	7.5" – 4.19"				
Stroke – inch	5"				
Inlet size	2"NPT				
Discharge size	1 1/4" OD				
Sheave OD	21.00"				
Sheave PD	20.65"				
Number of belts	4				
Belt section	В				
Low oil sight glass	Dip Stick				
Oil quantity	6 quarts				
Unloaders and Method	Suction head				
Noise level – dB(A)	89				
Motor	3-200V	3-230V	3-460	3-575V	
Enclosure	IP23	IP23	IP23	IP23	
Insolation Class	F	F	F	F	
Efficiency - %	91	93	93	93	
Nominal rated power – HP	20	20	20	20	
Speed of rotation - rpm	1760	1765	1765	1765	
FLA	58	47	23.5	18.9	
Service Factor	1.15	1.15	1.15	1.15	
Locked rotor current – A	386	336	168	134	
Power Factor	81	86	86	85	
Installation condition					
Allowed ambient temperature min - max - °F	32-104				
Compressor dimensions					
Air Receiver Type	Base Mounted – Vertical Tank		Base Mounted - Vert. Tank UP		
Air receiver size (Gal)	120		120		
Compressor outlet		2" NPT		2" NPT	
	2" N				
Length – inch	2" N	8	80	)	
Width – inch	2" N 44	8 7	80	5	
Width – inch Height – inch	2" N 41 3 42	8 7 2	80 48 58	) 5 3	
Width – inch	2" N 44	8 7 2	80	) 5 3	
Width – inch Height – inch	2" N 41 3 42	8 7 2	80 48 58	) 5 3	
Width – inch Height – inch Weight – Lbs.	2" N 41 3 42	8 7 2 00	80 48 58	) 5 3	

#### 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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