

ML15 SIMPLEX

TECHNICAL DATA

Again Agai	Capacity and power: ISO-1217(1996 annex #C)						
Basic Pump D97A Stage 2 Lubrication type Centro-Ring Pressure Lube Valve type Disc Valve RPM (min - max) - rpm 500 - 800 Duffit RPM 800 BHP - HP 12.86 BOT (LPHP) - inch 6.25" - 3.375" STOKE - inch 3.75" Inlet size 1 1/4" NPT Discharge size 1 1/4" NPT Discharge size 1 1/4" OD Sheave OD 17.875" Sheave OD 17.875" Sheave PD 17.52" Number of belts 3 Belt section B Low oil sight glass Dip Stick Dip Stick Dio quantity Discharge size Discha	Normal working pressure - psi						
Description Description	Capacity at normal working press - cfm	49.5					
Stage	Basic Pump						
Lubrication type	Model		D97A				
Lubrication type	Stage	2					
RPM (min - max) - rpm	Lubrication type						
Outfit RPM 800 BHP - HP 12.86 Bore (LP/HP) - inch 6.25" - 3.375" Stroke - inch 3.75" Intel size 11/4" NPT Discharge size 1 1/4" OD Sheave OD 17.875" Sheave PD 17.52" Number of belts 3 Belt section B Low oil sight glass Dip Stick Oil quantity 5 pints Unloaders and Method APU Unloaders Noise level – dB(A) 82 Motor 3-200V 3-230V 3-460 3-575V Enclosure IP23	Valve type						
Outfit RPM 800 BHP - HP 12.86 Bore (LP/HP) - inch 6.25" - 3.375" Stroke - inch 3.75" Intel size 11/4" NPT Discharge size 1 1/4" OD Sheave OD 17.875" Sheave PD 17.52" Number of belts 3 Belt section B Low oil sight glass Dip Stick Oil quantity 5 pints Unloaders and Method APU Unloaders Noise level – dB(A) 82 Motor 3-200V 3-230V 3-460 3-575V Enclosure IP23	RPM (min – max) – rpm						
Bore (LP/HP) - inch	Outfit RPM	800					
Stroke - inch 3.75" Inlet size 1 1/4" NPT Discharge size 1 1/4" NPT Discharge size 1 1/4" OD Sheave OD 17.875" Sheave OD 17.875" Sheave PD 17.52" Number of belts 3 Sheave Stroke	BHP – HP						
Inlet size	Bore (LP/HP) – inch	6.25" – 3.375"					
Discharge size	Stroke – inch						
Sheave OD							
Sheave PD	Discharge size						
Number of belts	Sheave OD						
Belt section B Low oil sight glass Dip Stick Oil quantity 5 pints Unloaders and Method APU Unloaders Noise level − dB(A) 82 Motor 3-200V 3-230V 3-460 3-575V Enclosure Insulation Class F F F F F F F F F F F F F F F F F F							
Dip Stick Spints							
Oil quantity 5 pints Unloaders and Method APU Unloaders Noise level − dB(A) 82 Motor 3-200V 3-230V 3-460 3-575V Enclosure IP23 IP23 IP23 IP23 Insulation Class F F F F Efficiency - % 91% 93% 93% 93% Nominal rated power − HP 15 15 15 15 Speed of rotation - rpm 1760 1765 1765 1765 1765 FLA 43 35.4 17.7 14.1 Service Factor 1.15 1.15 1.15 1.15 1.15 Locked rotor current − A 290 224 112 89 Power Factor 83 86 86 86 Installation condition 33 86 86 86 Installation condition 4 83 86 86 86 Installation condition 4 83 86 86 86 Installation condition 4 83 86 86 86 Installation condition 4 4 4 4 4 Compressor dimensions 4<							
Unloaders and Method Noise level - dB(A) 82							
Noise level - dB(A) 3-200V 3-230V 3-460 3-575V			•				
Motor 3-200V 3-230V 3-460 3-575V Enclosure IP23 IP23 IP23 IP23 Insulation Class F F F F Efficiency - % 91% 93% 93% 93% Nominal rated power – HP 15 11 15 <td></td> <td></td> <td></td> <td></td> <td></td>							
IP23	. ,						
Insulation Class	Motor	3-200V	3-230V	3-460	3-575V		
Efficiency - % 91% 93% 93% 93% Nominal rated power - HP 15 15 15 15 Speed of rotation - rpm 1760 1765 1765 1765 FLA 43 35.4 17.7 14.1 Service Factor 1.15 1.15 1.15 1.15 Locked rotor current - A 290 224 112 89 Power Factor 83 86 86 86 Installation condition Allowed ambient temperature min - max - °F 32-104 Compressor dimensions Air Receiver Type Horizontal Horizontal UP Air receiver size (Gal) 120 120 Compressor outlet 3/4" NPT 3/4" NPT Length - inch 33 36 Height - inch 59 59 59 Weight - Lbs. 1150 1250 Air Cooled Aftercooler (Option)	Enclosure			_			
Nominal rated power - HP							
Speed of rotation - rpm 1760 1765 1765 1765 FLA 43 35.4 17.7 14.1 Service Factor 1.15 1.15 1.15 1.15 Locked rotor current – A 290 224 112 89 Power Factor 83 86 86 86 Installation condition Allowed ambient temperature min - max - °F 32-104 Compressor dimensions Air Receiver Type Horizontal Horizontal UP Air receiver size (Gal) 120 120 120 Compressor outlet 3/4" NPT 3/4" NPT 3/4" NPT Length – inch 74 74 74 Width – inch 33 36 Height – inch 59 59 59 Weight – Lbs. 1150 1250 Air Cooled Aftercooler (Option) Availability Yes							
FLA 43 35.4 17.7 14.1 Service Factor 1.15 1.15 1.15 1.15 Locked rotor current – A 290 224 112 89 Power Factor 83 86 86 86 Installation condition Allowed ambient temperature min - max - °F 32-104 Compressor dimensions Air Receiver Type Horizontal Horizontal UP Air receiver size (Gal) 120 120 Compressor outlet 3/4" NPT 3/4" NPT Length – inch 33 36 Weight – inch 33 36 Weight – inch 59 59 Weight – Lbs. 1150 1250 Air Cooled Aftercooler (Option) Availability Yes	•			_			
Service Factor 1.15 1.15 1.15 1.15 Locked rotor current – A 290 224 112 89 Power Factor 83 86 86 86 Installation condition Allowed ambient temperature min - max - °F 32-104 Compressor dimensions Air Receiver Type Horizontal Horizontal UP Air receiver size (Gal) 120 120 Compressor outlet 3/4" NPT 3/4" NPT Length – inch 74 74 74 Width – inch 33 36 Height – inch 59 59 Weight – Lbs. 1150 1250 Air Cooled Aftercooler (Option) Availability Yes							
Locked rotor current – A 290 224 112 89 Power Factor 83 86 86 86 Installation condition Allowed ambient temperature min - max - °F 32-104 Compressor dimensions Air Receiver Type Horizontal Horizontal UP Air receiver size (Gal) 120 120 Compressor outlet 3/4" NPT 3/4" NPT Length – inch 74 74 Width – inch 33 36 Height – inch 59 59 Weight – Lbs. 1150 1250 Air Cooled Aftercooler (Option) Availability Yes							
Power Factor 83 86 86 86 Installation condition Allowed ambient temperature min - max - °F 32-104 Compressor dimensions Horizontal Horizontal UP Air Receiver Type Horizontal Horizontal UP Air receiver size (Gal) 120 120 Compressor outlet 3/4" NPT 3/4" NPT Length – inch 74 74 Width – inch 33 36 Height – inch 59 59 Weight – Lbs. 1150 1250 Air Cooled Aftercooler (Option) Yes							
Installation condition							
Allowed ambient temperature min - max - °F Compressor dimensions Air Receiver Type Air receiver size (Gal) Compressor outlet Length – inch Width – inch Width – inch Horizontal 120 120 120 120 74 74 74 Width – inch 33 36 Height – inch 59 59 Weight – Lbs. Air Cooled Aftercooler (Option) Availability Yes		83	86	86	86		
Compressor dimensions Air Receiver Type Horizontal Horizontal UP Air receiver size (Gal) 120 120 Compressor outlet 3/4" NPT 3/4" NPT Length – inch 74 74 Width – inch 33 36 Height – inch 59 59 Weight – Lbs. 1150 1250 Air Cooled Aftercooler (Option) Yes							
Air Receiver Type Horizontal Horizontal UP Air receiver size (Gal) 120 120 Compressor outlet 3/4" NPT 3/4" NPT Length – inch 74 74 Width – inch 33 36 Height – inch 59 59 Weight – Lbs. 1150 1250 Air Cooled Aftercooler (Option) Yes			32-104				
Air receiver size (Gal) Compressor outlet Length – inch Width – inch Height – inch Solution Air Cooled Aftercooler (Option) Availability 120 120 120 120 3/4" NPT 3/4" NPT 74 74 74 75 75 76 77 78 79 79 79 79 79 79 79 79	Compressor dimensions						
Compressor outlet 3/4" NPT 3/4" NPT Length – inch 74 74 Width – inch 33 36 Height – inch 59 59 Weight – Lbs. 1150 1250 Air Cooled Aftercooler (Option) Yes	Air Receiver Type	Horiz	Horizontal		Horizontal UP		
Length – inch 74 74 Width – inch 33 36 Height – inch 59 59 Weight – Lbs. 1150 1250 Air Cooled Aftercooler (Option) Yes	Air receiver size (Gal)						
Width – inch 33 36 Height – inch 59 59 Weight – Lbs. 1150 1250 Air Cooled Aftercooler (Option) Yes	Compressor outlet						
Height – inch 59 59 Weight – Lbs. 1150 1250 Air Cooled Aftercooler (Option) Yes	Length – inch			1			
Weight – Lbs. 1150 1250 Air Cooled Aftercooler (Option) Availability Yes	Width – inch			36			
Air Cooled Aftercooler (Option) Availability Yes	Height – inch						
Availability	Weight – Lbs.	11	50	12	250		
	Air Cooled Aftercooler (Option)						
Air cooled aftercooler CTD - °F 18	Availability		Yes				
	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.



ML15 BASE MOUNTED

TECHNICAL DATA

Capacity and power: ISO-1217(1996 annex #C)						
Normal working pressure - psi		175				
Capacity at normal working press - cfm		49.5				
Basic Pump						
Model		D97A				
Stage	2					
Lubrication type		Centro-Ring Pressure Lube				
Valve type		Disc Valve				
RPM (min – max) – rpm		500 - 800				
Outfit RPM		800				
BHP – HP		12.86				
Bore (LP/HP) – inch		6.25" – 3.375"				
Stroke – inch		3.75"				
Inlet size		1 1/4" NPT				
Discharge size		1 1/4	" OD			
Sheave OD		17.8	75"			
Sheave PD		17.	52"			
Number of belts		3				
Belt section		В				
Low oil sight glass		Dip Stick				
Oil quantity		5 Pi	nts			
Unloaders and Method		Suction	Head			
Noise level – dB(A)		8:	2			
Motor	3-200V	3-230V	3-460	3-575V		
Enclosure	IP23	IP23	IP23	IP23		
	0					
Insulation Class	F	F	F	F		
Efficiency - %		F 93%	93%	F 93%		
	F		93% 15			
Efficiency - % Nominal rated power – HP Speed of rotation - rpm	F 91%	93%	93%	93%		
Efficiency - % Nominal rated power – HP	F 91% 15	93% 15 1765 35.4	93% 15	93% 15		
Efficiency - % Nominal rated power – HP Speed of rotation - rpm	F 91% 15 1760 43 1.15	93% 15 1765	93% 15 1765	93% 15 1765		
Efficiency - % Nominal rated power – HP Speed of rotation - rpm FLA Service Factor Locked rotor current – A	F 91% 15 1760 43	93% 15 1765 35.4	93% 15 1765 17.7	93% 15 1765 14.1		
Efficiency - % Nominal rated power – HP Speed of rotation - rpm FLA Service Factor	F 91% 15 1760 43 1.15	93% 15 1765 35.4 1.15	93% 15 1765 17.7 1.15	93% 15 1765 14.1 1.15		
Efficiency - % Nominal rated power – HP Speed of rotation - rpm FLA Service Factor Locked rotor current – A	F 91% 15 1760 43 1.15 290	93% 15 1765 35.4 1.15 224	93% 15 1765 17.7 1.15	93% 15 1765 14.1 1.15		
Efficiency - % Nominal rated power – HP Speed of rotation - rpm FLA Service Factor Locked rotor current – A Power Factor	F 91% 15 1760 43 1.15 290	93% 15 1765 35.4 1.15 224	93% 15 1765 17.7 1.15 112 86	93% 15 1765 14.1 1.15		
Efficiency - % Nominal rated power – HP Speed of rotation - rpm FLA Service Factor Locked rotor current – A Power Factor Installation condition	F 91% 15 1760 43 1.15 290	93% 15 1765 35.4 1.15 224 86	93% 15 1765 17.7 1.15 112 86	93% 15 1765 14.1 1.15		
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	F 91% 15 1760 43 1.15 290	93% 15 1765 35.4 1.15 224 86	93% 15 1765 17.7 1.15 112 86	93% 15 1765 14.1 1.15		
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	F 91% 15 1760 43 1.15 290	93% 15 1765 35.4 1.15 224 86 32-	93% 15 1765 17.7 1.15 112 86	93% 15 1765 14.1 1.15		
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	F 91% 15 1760 43 1.15 290	93% 15 1765 35.4 1.15 224 86	93% 15 1765 17.7 1.15 112 86	93% 15 1765 14.1 1.15		
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	F 91% 15 1760 43 1.15 290	93% 15 1765 35.4 1.15 224 86 32- Base M N/ 1 1/4"	93% 15 1765 17.7 1.15 112 86 104 ounted A NPT	93% 15 1765 14.1 1.15		
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	F 91% 15 1760 43 1.15 290	93% 15 1765 35.4 1.15 224 86 32	93% 15 1765 17.7 1.15 112 86 104 ounted A NPT	93% 15 1765 14.1 1.15		
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	F 91% 15 1760 43 1.15 290	93% 15 1765 35.4 1.15 224 86 32- Base M N/ 1 1/4" 4	93% 15 1765 17.7 1.15 112 86 104 ounted A NPT 1	93% 15 1765 14.1 1.15		
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	F 91% 15 1760 43 1.15 290	93% 15 1765 35.4 1.15 224 86 32-4 Base M N/ 1 1/4" 4	93% 15 1765 17.7 1.15 112 86 104 ounted A NPT 1	93% 15 1765 14.1 1.15		
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	F 91% 15 1760 43 1.15 290	93% 15 1765 35.4 1.15 224 86 32- Base M N/ 1 1/4" 4	93% 15 1765 17.7 1.15 112 86 104 ounted A NPT 1	93% 15 1765 14.1 1.15		
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 Weight – Lbs.	F 91% 15 1760 43 1.15 290	93% 15 1765 35.4 1.15 224 86 32- Base M N/ 1 1/4" 4	93% 15 1765 17.7 1.15 112 86 104 ounted A NPT 1 3 5	93% 15 1765 14.1 1.15		

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.