

WORK ORDER

Bill To	Ship To	OC No.	OC Date	Order Type	FOC Yes/No	PO No.	PO Date
G524 GOLDEN DEER ENGINEERS-MALAD 301, NEW SANGITA APT., DATTA MANDIR ROAD MALAD-EAST 27 MH - Maharashtra GSTIN :- 27AQPPP8366B1ZD		19909	22-10-2021	3	N	21-22/GDE/LUBI/35	22-10-2021

Remarks : PROJECT: GV RESEARCH CENTRE

Special Remarks : REQ TC, TEST REPORT AND OTHER DOCUMENTS BEFORE DISPATCH

SR#	Group	Item Code HSN Code	Item Description	Quantity
1	4FP1	FLBS750-13DE 84137010	FLBS-125-100-315 PUMP+KFP4R-UF16R1+152 HP 3000 RPM. UL/FM ENGINE RATING - UL LISTED/FM APPROVED: 152 HP - 3000 RPM - 12V - KIRLOSKAR, DIESEL TANK WITH ACCESSORIES: 160 GALLON (UL/FM TANK DRAWING ATTACHED), BATTERY - 02 NOS (EXIDE MAKE) WITH CABLE & LUGS: 12V - INCLUDED, ENGINE DRIVEN FIRE PUMP CONTROLLER: 12V - EATON, SUCTION & DISCHARGE PRESSURE GAUGES: INCLUDED, SEAL MATERIAL: GLAND PACKING, BASE FRAME & COUPLING: INCLUDED, FOUNDATION BOLT, MOC: CASING MATERIAL: DUCTILE IRON 65-45-12, IMPELLER MATERIAL: BRONZE LTB2, SHAFT MATERIAL: S.S AISI 420, WEAR RING MATERIAL: BRONZE, FLOW: 750 USGPM @ 130 M (OTHER DETAIL AS PER ATTACHED QUOTE # LUB2106128 AND EATON CONTROLLER DETAILS, FUEL TANK GAD, FMUL PUMP GAD & FOUNDATION DETAILS AS PER ATTACHMENT)	1
2	4FP1	LBSD100400H0135 84137010	135 HP ENGINE, 2150RPM, 125X100, LBSD100-400 ENGINE RATING: 135 HP - 2150 RPM - 12V - EICHER, DIESEL TANK WITH ACCESSORIES: 250 LITRE, BATTERY (EXIDE MAKE) AND CHARGER WITH CABLE & LUGS: 12V - INCLUDED, CONTROLLER-INCLUDED, SEAL MATERIAL: CARBON/CERAMIC/NBR/S.S 304, BASE FRAME & COUPLING: INCLUDED, FOUNDATION BOLT, MOC: CASING MATERIAL: DUCTILE IRON 65-45-12, IMPELLER MATERIAL: BRONZE LTB2, SHAFT MATERIAL: S.S AISI 410, FLOW: 2280 LPM @ 130 M (OTHER DETAIL AS PER ATTACHED QUOTE # LUB2106128)	1
3	4FP1	LBSE65-315G120 84137010	120 HP, 2880 RPM, 80 X 65, 3PH, LBSE-65-315-2120 WITH SEAL MATERIAL: CARBON/CERAMIC/NBR/S.S 304, BASE FRAME & COUPLING: INCLUDED, FOUNDATION BOLT, MOC: CASING MATERIAL: CAST IRON FG 260, IMPELLER MATERIAL: BRONZE LTB2, SHAFT MATERIAL: S.S AISI 410, FLOW: 2280 LPM @ 130 M (OTHER DETAIL AS PER ATTACHED QUOTE # LUB2106128)	2
4	5VM1	LCR01011E2 84137010	LCR-10 / 10.0 HP / 18 STAGE / 3 PH / 11/2" IE2 JOCKEY PUMP, FLOW: 180 LPM @ 130 M (OTHER DETAIL AS PER ATTACHED QUOTE # LUB2106128)	2
				6



Certificate of Compliance

This certificate is issued for the following:

Centrifugal Fire Pumps
(Horizontal, End Suction Type)

Models FLBS-65-40-250, FLBS-80-65-250, FLBS-125-100-250
FLBS-125-100-315 and FLBS-150-125-315
(see ratings on attached page)

Prepared for:

Lubi Industries LLP
Near Kalyan Mills Naroda Rd
Ahmedabad
Gujarat 380 025
India

FM Approvals Class: 1319

Approval Identification: 3061187

Approval Granted: September 5, 2017

To verify the product continues to be Approved please refer to www.approvalguide.com.

Said Approval is subject to satisfactory field performance, continuing Surveillance Audits, and strict conformity to the constructions as shown in the Approval Guide, an online resource of FM Approvals.

David B. Fuller
VP, Manager of Fire Protection
FM Approvals
1151 Boston-Providence Turnpike
Norwood, MA 02062 USA



Member of the FM Global Group



Certificate of Compliance

Product	Rated Capacity, (gal/min)	Rated Capacity, (dm ³ /min)	Rated Net Head at Rated Capacity, psi	Rated Net Head at Rated Capacity, kPa	Rated Speed, r/min	Suction Inlet, dia., in.	Discharge Outlet, dia., in.	Stage(s)
FLBS-80-65-250	50	190	85-130	585-985	2900	3	2.5	1
FLBS-65-40-250	50	190	96-130	660-985	2900	2.5	1.5	1
FLBS-65-40-250	100	380	96-127	660-875	2900	2.5	1.5	1
FLBS-80-65-250	100	380	84-129	580-890	2900	3	2.5	1
FLBS-80-65-250	150	580	83-129	570-890	2900	3	2.5	1
FLBS-80-65-250	200	755	81-129	560-890	2900	3	2.5	1
FLBS-80-65-250	250	945	77-129	530-890	2900	3	2.5	1
FLBS-125-100-250	300	1135	94-132	650-910	2900	5	4	1
FLBS-125-100-250	400	1515	93-131	640-905	2900	5	4	1
FLBS-150-125-315	400	1515	107-195	740-1345	2900	6	5	1
FLBS-125-100-315	400	1515	118-203	815-1400	2900	5	4	1
FLBS-125-100-250	450	1705	93-131	640-905	2900	5	4	1
FLBS-150-125-315	450	1705	107-195	740-1345	2900	6	5	1
FLBS-125-100-315	450	1705	117-203	805-1400	2900	5	4	1
FLBS-125-100-250	500	1895	91-130	625-895	2900	5	4	1
FLBS-150-125-315	500	1895	106-194	730-1340	2900	6	5	1
FLBS-125-100-315	500	1895	116-203	800-1400	2900	5	4	1
FLBS-125-100-250	750	2840	85-125	585-860	2900	5	4	1
FLBS-150-125-315	750	2840	104-194	715-1340	2900	6	5	1
FLBS-125-100-315	750	2840	108-199	745-1370	2900	5	4	1
FLBS-150-125-315	1000	3785	99-190	685-1310	2900	6	5	1



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CERTIFICATE OF COMPLIANCE

Certificate Number 20180424-EX27417
Report Reference EX27417-20170329
Issue Date 2018-April-24

Issued to: LUBI INDUSTRIES LLP
Near Kalyan Mills, Naroda Road, Ahmedabad GJ 380025
INDIA

This is to certify that
representative samples of CENTRIFUGAL FIRE PUMPS, END SUCTION
See Next Page

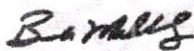
Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 448 - Pumps for Fire-Protection Service, ULC/ORD
C448 - Guide for the Investigation of Pumps for Fire
Protection Service

Additional Information: See the UL Online Certifications Directory at
www.ul.com/database for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's
Certification and Follow-Up Service.

Look for the UL Certification Mark on the product...



Bruce Mahrenholz, Director North American Certification Program
UL LLC

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contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



CERTIFICATE OF COMPLIANCE

Certificate Number	20180424-EX27417
Report Reference	EX27417-20170329
Issue Date	2018-April-24

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements. Models: FLBS 65-40-250, FLBS 80-65-250, FLBS 80-65-250, FLBS 65-40-250, FLBS 80-65-250, FLBS 80-65-250, FLBS 80-65-250, FLBS 80-65-250, FLBS 80-65-250, FLBS 80-65-250, FLBS 80-65-250, FLBS 125-100-200, FLBS 125-100-250, FLBS 125-100-250, FLBS 125-100-250, FLBS 125-100-315, FLBS 150-125-315, FLBS 125-100-200, FLBS 125-100-250, FLBS 125-100-315, FLBS 125-100-250, FLBS 125-100-315, FLBS 150-125-315, FLBS 125-100-200, FLBS 125-100-250, FLBS 125-100-315, FLBS 125-100-250, FLBS 125-100-315, FLBS 150-125-315, FLBS 150-125-315, FLBS 150-125-315, FLBS 125-100-200, FLBS 125-100-250, FLBS 125-100-315, FLBS 150-125-315, FLBS 125-100-200, FLBS 125-100-250, FLBS 125-100-315, FLBS 150-125-250, FLBS 150-125-315, FLBS 150-125-315, FLBS 150-125-315, FLBS 150-125-315, FLBS 150-125-315, FLBS 150-125-315

Barnes

Bruce Mahrenholz, Director North American Certification Program

III LLC

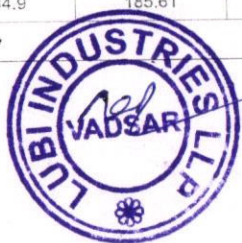
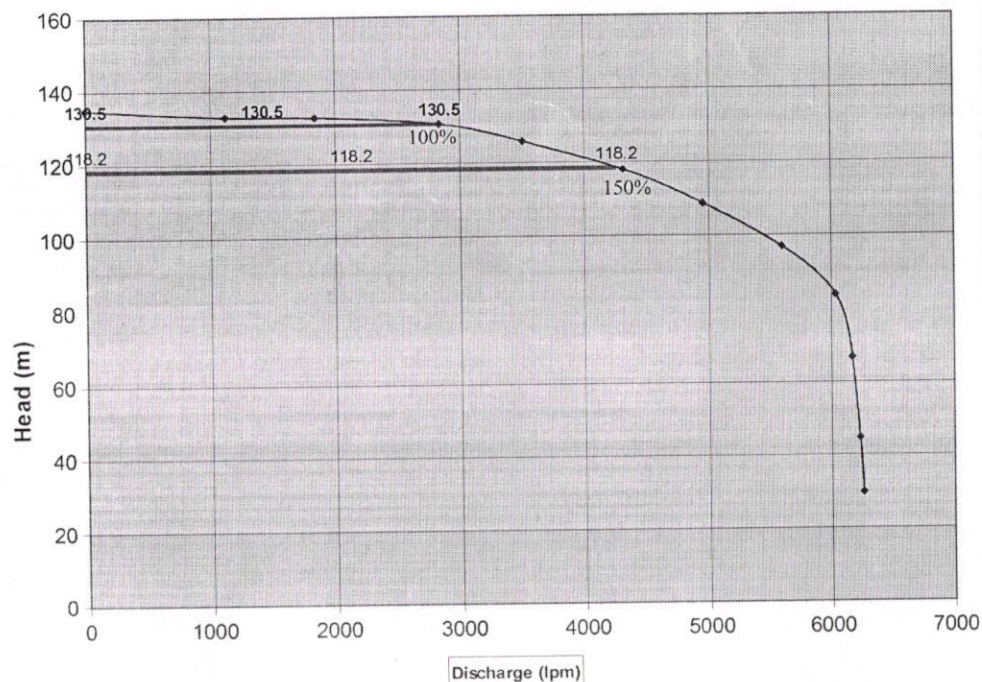
Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



Date :	04-01-2022	Engine Rating :	152hp	3000rpm
Pump Sr. No. :	62204841	Pump Speed :	2900	RPM
Model / Type :	FLBS 125-100-315	: DUTY POINT :		
No. OF Stage :	1	Head (Hg) :	130	mtr
Suction Size :	125 mm	Discharge (Qg) :	2839	Lpm
Delivery Size :	100 mm	Impeller diameter :	323-315	mm.

[illegible]

FLOW		750	us gpm									
Duty Head			Hr<H _A <106% of Hr		Head at 150% of Disch. > 65% of Hr				Max. Head < 140% of Hr			
	Required Hr	Achieved H _A	106% Limit	Remark	Hr	65% of Hr	Head at 150% Flow	Remark	Hr	140% of Hr	Max. Head	Remark
METER	130	130.5	137.8	Confirm	130	84.5	118.2	Confirm	130	182	134.88	Confirm
PSI	184.9	185.61	196		184.9	120.19	168.12		184.9	258.86	191.84	
Approved by					Page – 1 of 1							



Registered Office & Factory :

Near Kalyan Mills, Naroda Road, Ahmedabad - 380 025. India
Tel. # 91-79-61700100, Customer Care Number : 9824200800
E-mail : indsales@lubipumps.com, Web : www.lubipumps.com

PERFORMANCE TEST CERTIFICATE

Date : Jan 5, 2022

Order No. : 19909

Reference : 2022/01/0007

Model : LBSD100400

Serial No. : 62204842

Suction Size : 125 mm

Discharge Size : 100 mm

DUTY POINT

Total Head (H) : 130 MTR

Discharge (Q) : 2280 LPM

PUMP MATERIAL OF CONSTRUCTION

Casing : D.I

Impeller : BRONZE

Shaft : SS410

Sealing : Mechanical Seal

DIESEL ENGINE DETAILS

Make : Eicher

Starting (V) : 12

Cooling : Radiator Cooled

Power (P) : 135 HP

Speed : 2150 RPM

This is to certify that the above mentioned pumpset has been tested & the guaranteed duty point verified by our Quality Assurance Department.

Note:

For Lubi Industries LLP (DIV-4)



(Quality Assurance Engineer)

FQA31/REV01/01-2-2021

Factory : (1) LUBI INDUSTRIES LLP DIV-01, DIV-02, Nr. Kalyan Mills, Naroda Road, Ahmedabad-380025 (INDIA)
(2) LUBI INDUSTRIES LLP DIV-03, B/h. Memco Bus stop, Naroda Road, Post : Saijpur Bogha, Ahmedabad-382345 (INDIA)
(3) LUBI INDUSTRIES LLP DIV-04, DIV-05, Lubi Industrial Park, Vadsar Khatraj Road, Vadsar-382721. Dist. Gandhinagar (INDIA)

Registered Office & Factory :

Near Kalyan Mills, Naroda Road, Ahmedabad - 380 025. India
Tel. # 91-79-61700100, Customer Care Number : 9824200800
E-mail : indsales@lubipumps.com, Web : www.lubipumps.com

PERFORMANCE TEST CERTIFICATE

Date : Jan 5, 2022

Order No. : 19909

Reference : 2022/01/0006

Model : LBSE65-315

Serial No. : 62204843 TO 62204844

Suction Size : 80 mm

Discharge Size : 65 mm

DUTY POINT

Total Head (H) : 130 MTR

Discharge (Q) : 2280 LPM

PUMP MATERIAL OF CONSTRUCTION

Casing : C.I

Impeller : BRONZE

Shaft : SS410

Sealing : Mechanical Seal

ELECTRIC MOTOR DETAILS

Make : LUBI

Eff. Class : IE2

Supply Voltage(V): 415

Power (P) : 120 HP

RPM : 2880

Frequency(Hz) : 50

This is to certify that the above mentioned pumpset has been tested & the guaranteed duty point verified by our Quality Assurance Department.

Note:

For Lubi Industries LLP (DIV-4)



(Quality Assurance Engineer)

FQA35/REV00/01-2-2021

Factory : (1) LUBI INDUSTRIES LLP DIV-01, DIV-02, Nr. Kalyan Mills, Naroda Road, Ahmedabad-380025 (INDIA)
(2) LUBI INDUSTRIES LLP DIV-03, B/h. Memco Bus stop, Naroda Road, Post : Saijpur Bogha, Ahmedabad-382345 (INDIA)
(3) LUBI INDUSTRIES LLP DIV-04, DIV-05, Lubi Industrial Park, Vadsar Khatraj Road, Vadsar-382721. Dist. Gandhinagar (INDIA).