

HEAVY OIL SEPARATOR MOTOR

Our reference

Test Report

ML 25100

E, R 6486 bk 7/48

Motor	Type	Machine no
AB Separator Stockholm	DA-7	60648
of machine	Output	Service
Compound motor	7 hp	
Lloyd's Register	Voltage	Current
	220 V	28 A
	Excitation	Speed
	V A	1450 rpm

	volts	Line	amps	volts	Field	amps	Speed	rpm	
	220		2,0	220		0,62	1405		Cold machine
1/1 load	220		28	220		0,62	1320		commutation OK balancing good
	Air gap measurement:								
er Mainpole			1,37	1,32	1,30	1,40			
Inter "			3,84	3,82	3,78	3,83			
	type test on duplicate machine no 60605								
	7 HP - 220V 1450 rpm.								
0 load	220		1,45	220		0,52	1470		Hot machine
"	"		27,3	"		"	1410		"
	"		34,5	"		"	1410		"
	"		43,0	"		"	1412		"
	"		70,0	"		"	1375		"

Resistance between terminals ohms	Winding	A	17,5					°C
	Arm.		0,464					
	Comm.	A1	0,0590					
	"	A2	0,0602					
	Series		0,00679					
	Shunt		336					

Temperature rise °C	Winding, part of machine	After continous test at	1405 rpm	After	at	rpm
		220 V	28 A	0,52 A exc.	V	A
		Measured by thermometer	By increase in resistance	Measured by thermometer	By increase in resistance	
	Arm.	32,3				
	Comm.	26,6				
	Series	30,2				
	Shunt	23,5				
	Commutator	23,5				

h voltage tests	Exc. winding to frame	2000 V 1 min.	Arm., comm.-and series winding to frame	2000 V 1 min.	Between exc. windings	V min.
ul, resistance	Exc. winding to frame	megohms	Arm., comm.-and series winding to frame	200 megohms	Between exc. windings	megohms
Over-rate tests	Overspeed	rpm (% incr.) min.	Excess voltage	V (% incr.) min.	Excess current	A (% incr.) h
Brushes	4 x 1 brushes, dim. 8 x 16x 25	qual. Morgan EG-12			A (% incr.) min.	

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Lloyd's Register
Foundation

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