MAWDSLEY'S LIMITED, DURSLEY, GLOS. DC 134126

TEST SHEET ON SEP EXCITED SHUNT MOTOR Ref. 72040-02
Order No. TC 52799 Frame 132XM No. 138
For BEAVER TURNING CENTRES Design No. 132XM4
Sep. Ex. Volts 170 Encl. IP22, IC06, B3 Rating MACHINE TOOL CLASS F
Volts 386/400/400/400 Total Amps 75·4/72·8/72·8/54·9 H.P. K.W. 26·5/26·5/26·5/25 Speed 2070/2100/3900/5000

Time	Input Volts	Arm. Input Amps.	Output		Field		Speed.				REMARKS
			Volts	Amps.	Volts	Amps.					
11-35	400	72·8			170	7·5	2045				[illegible]
12-25	400	72·8			170	5·4	2280				[illegible]
	400	83·7			170	5·4	2280				OVERLOAD
	400	2·45			170	5·4	2320				N.L.C.
	368	75·4			170	5·4	2070				FULL LOAD
	400	72·8			58	2·33	3900		e		FULL LOAD A/C
	427	2·75			58	2·33	3900				N.L.C.
	400	54·9			41	1·66	5000		e-f		FULL LOAD
	416	3·85			41	1·66	5000				N.L.C.
	400	72·8			170	5·4	2260				FULL LOAD
	400	72·8				2·33	3900		d		FULL LOAD
	400	54·9				1·66	5000		d		FULL LOAD CLOCK
	397	1·8			170	5·4	2260				NO LOAD AS MOTOR HOT
	446	1·8				2·33	3900				" " " " "
	432	2·7				1·66	5000				" " " " "

BLOWER MOTOR LS63E 708979 380/415/3/50
THERMOSTATS T1-T2: T3-T4 BOTH N/C
RED AC14 TACHO GENERATOR FITTED 2216324 39·9V/1000RPM

Starting Torque :—	lb. ft. @	Volts	Amps.

Rotation : REV D.E.
Diagram No. 24582, 24238/R1
Polarity
Suppressors

	Air Gap	Shims
		A.C. ① 047 ① 010
M.P.	1·27	B.D. ① 047 ① 018
I.P.	1·84	② 047 ① 039

Reg		
Prelim.	Ω /	A
Test	Ω /	A
Final	Ω /	A

Bearings ① 032
Fan —

	TEMPS °C		RISE °C		Resistance @ 18 °C	Resistance @ °C
Time Hours						
Armature					·198 Ω	Ω
Interpole					·0977 Ω	Ω
Series					Ω	Ω
Series. S.					Ω	Ω
Shunt						
Commutator						
Frame						
Air						

Brush Gear				
No. 4	× 2		Type	
Size	× 20	× 12·5	Grade	[illegible]
No.	×		Type	
Size	×	×	Grade	

Tested by T.J. Date 26/4/88
In presence of

I.R./Earth	100 MΩ
I.P./Shunt	100 MΩ
Shunt/Series	MΩ
Flash	2000 V(ac)
Time	1 Min.

JH

MAWDSLEY'S LIMITED, DURSLEY, GLOS. DC 134126

TEST SHEET ON Sep Excited Shunt Motor Ref. 72040-02

Order No. TC 52799 Frame 132XM No. 138

For Beaver Turning Centres Design No. 132XM4

Sep. Ex. Volts 170 Encl. IP22, IC06, B7 Rating Machine Tool Class F

Volts 386/400/400/400 Total Amps 75.4/72.8/72.8/54.9 H.P. K.W. 26.5/26.5/26.5/25 Speed 2070/2100/3900/5000

Time	Input Volts	Arm. Input Amps.	Output Volts	Output Amps.	Field Volts	Field Amps.	Speed				REMARKS	
11-35	400	72.8			170	7.5	2045				FLFF	A/C
12-25	400	72.8			170	5.4	2280				FLFF	
	400	83.7			170	5.4	2280				Overload	
	400	2.45			170	5.4	2320				N.L.C.	
	368	75.4			170	5.4	2070				Full Load	
	400	72.8			58	2.33	3900		e		Full Load	
	427	2.75			58	2.33	3900				N.L.C.	
	400	54.9			41	1.66	5000		e-f		Full Load	
	416	3.85			41	1.66	5000				N.L.C.	
	400	72.8			170	5.4	2260				Full Load	CLOC
	400	72.8				2.33	3900		d		Full Load	
	400	54.9				1.66	5000		d		Full Load	
	397	1.8			170	5.4	2260				NO LOAD AS MOTOR HOT	
	446	1.8				2.33	3900				" " " " "	
	432	2.7				1.66	5000				" " " " "	

Blower Motor LS63E 708979 380/415/3/50

Thermostats T1-T2: T3-T4 Both N/C

RED AC14 Tacho Generator Fitted 2216324 39.9V/1000RPM

Starting Torque :—	lb. ft. @	Volts	Amps.	Rotation : Rev D.E.
Diagram No. 24582, 24238/R1		Air Gap	Shims	Reg Prelim. Ω / A
Polarity	M.P.	1.27	AC ① 047 ① 010 BD ① 047 ① 018	Test Ω / A
Suppressors	I.P.	1.84	② 047 ① 039	Final Ω / A

Bearings ① 032

Fan —

	TEMPS °C		RISE °C		Resistance @ 18 °C	Resistance @ °C
Time Hours						
Armature					.198 Ω	Ω
Interpole					.0977 Ω	Ω
Series					Ω	Ω
Series. S.					Ω	Ω
Shunt						
Commutator						
Frame						
Air						

Brush Gear
No. 4 × 2 Type
Size × 20 × 12.5 Grade [illegible]
No. × Type
Size × × Grade

Tested by T J S Date 26/4/88

In presence of

I.R./Earth	100 MΩ
I.P./Shunt	100 MΩ
Shunt/Series	MΩ
Flash	2000 V(ac)
Time	1 Min.

JH