wimbt { Souseer1501

Aim :- To legonm no-load, budged noton and load tests of on 1-phase induction moton be determine the laremeters for the equivalent crusis.

compute the enformence of moton from the parameters and compare with openimental results.

Equipment Required

rampmen	it Required			
S. No 1.	Nome of Equipment Single bluss induc	Rating 1440 spm	Type	onom.
	tion moton	1.5kw 1901240V 10.5Amp	AL	1
2.	PC harhine	ISOOJPM		
	cas a generator)	2 kuo, Armature 220 v, 9 Amp	DC 1	
		Filly 7 2200,09 A		
		4/1/10		
3.	single blook Auto	Ilb-Snon	AC	1 4 76
	transformer)	01P-0-270V		
		Oselul	ts_	
И.	Rheostat	SOO_R, 2A	र्गापाय	
5.	Ammeter	10 AMP	A ' 1	
6.	uolt mater	250 V 250 V	AC 1 AL 9	
2.	atumtlan	150   300   600V 10   20 AMAP 150   300   600V; 51 10 AMAP	UPF 1	

Block	red Rotan	test	Rufed 3	2 10-24	,				
5. No	. E2	$a_{\varsigma}$	Ps (M.f = 2)		Rac = 684 Pac = 1.3-2				
1.	42	10.4	110		700 - 73-2				
No Load test:									
5.4	·. 60	I.	Po (ME = 4)						
1,	230	6.4	200						
2.	220	5.4	176						
3.	210	4.8	156						
4.	200	4.4	136						
5.	190	4	124						
+6	180	3.6	112						
7.	170	23.3	100						
8.	160	3. ₹	92						
9.	150	2.7	82						
# 20AD Test grafed volt (motor) = 210V									
an Ilp	Ac Power	S/P AC COWDERS	DC ser Govert		g				
1.	100	5.1	1.	DCoen vallage 200	1500				
<b>a</b> .	200	5.5	ঽ	200	1496				
3.	300	4	3	198	1497				
4.	280	6.6	3.9	192	1487				
5.	470	7-2	4.7	190	1483				
6.	540	7.7	5.6	183	1449				
7.	610	8.3	6.4	180	1474				
8.	680	F.8	7.0	178					
9.	740	9.2	7.6	*****	1470				
			4.9	170	1470				
10.	480	9.5	8.4	168	1467				

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