

**MarelliMotori S.p.A.**

PART OF THE FKI GROUP OF COMPANIES

TEST ROOM DEPARTMENT

MOTORE ASINCRONO TRIFASE THREE PHASE INDUCTION MOTOR MOTEUR ASYNCHRONE TRIPHASE			TYPE D5C 280 M2 ORDER MARELLI SERIAL. PROTOTYPE pos. ITEM ORDER PURCH.			DATI DI TARGA NAME PLATE DATA VALEURS DE PLAQUE		
Cliente Custom / Client DESTINAZIONE Intended for / Destination						kW 90 V 400 A 157 Conn. d Hz 50 RPM 2960 Cos φ 0,88 Insul. F Duty S1 CESI EEX D IIB T4 CERT. 02/071 CODE D5C2841A00016 Frame B3 Prot. IP55 STANDARD: CEI 2-3 IEC 34-1 T amb. 40 °C		
Misura delle resistenze a freddo / Cold resistance measurements / Mesures des résistances à froid Temp. Amb. 18 °C U1-U2 mΩ V1-V2 mΩ W1-W2 mΩ 55,97 55,88 55,91								
Prova a vuoto V Amp. VA W tot. Cos φ No load test Essai à vide 400 44,2 30623 2.710 0,088 Conn. d								
Prova di cc. V Amp. kVA W Cos φ kgm Lock.Rot.Test 400 1080 748,25 63 Coppia nominale 29,6 kgm Essai en co.ci 66 156 17,833 6396 0,359 Nominal torque/Couple nom. Corrente di avviamento 6,88 p.u. Start curr./Courant de dém. Coppia avviamento 2,13 p.u. Start torque/Couple dém.								
Prova a carico V Amp. kVA W in Cos φ RPM slip% kgm W out effic.% load% Load test by 400 157,3 108,98 97595 0,90 2959 1,37 91490 93,74 102 Essai en charge (metodo sep. per (losses segr.metl IEC 34-2								
Temperature rise at 100 % P/Pn 400 V time : 3h30' hours Connection at DELTA								
Resist. a freddo / Cold resistance./Résist. à froid 37,78 mΩ 18 °C amb Resist. a caldo / Hot resist./Résist. à chaud 51,25 mΩ 19,5 °C amb Sovratemperatura K Δt = 89 avv Δt = PT 100 Δt = aria								
Sovratemperatura esterna cassa Frame surface temp. rise Δt = 31,7 K Surtemperature surface carcasse Sovratemperatura cuscinetto Bearing temperature rise Δt = K Surtempérature de roulement								
Misura della velocità di vibrazione Vibration speed measurement / Détermination de la vitesse de vibration Pos. 1 Pos. 2 Pos. 3 (horizz.) (vert.) (axial) mm/sec. Val.eff. mm/sec. r.m.s. Sovravelocità 3600 RPM for 120 sec Overspeed / Survitesse Livello pressione sonora dB (A) Average noise pressure level 1 m....= Niveau de pression acoustique								
Intensità di vibrazione [norma rif.IEC 34-14/ISO 2373] Vibration grade / Niveau de vibration								
PROVA DI TENS. APPL. / APPL.VOLT. TEST / ESSAI DE TENSION APPLIQUE Verso massa / To earth / A la masse 2 kV for 60"sec. Tra le fasi / between phases / Entre phases 2 kV for 60"sec. Resist. d' isolamento a 500 V. DC Insulation resist. > 50 Mohm Resist. d' isolement								
NOTE : Procedure M.M. di riferimento F 96921 - F 96470 - F 96432 - F 96433 Reference M.M. procedure Procédure M.M. de référence								
INSPECTING ENGINEER TEST ROOM 						DATE 12/03/03		