



meccalte spa

COMPANY
WITH QUALITY SYSTEM
CERTIFIED BY DNV
ISO 9001

TR1

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2 POLE

CARATTERISTICHE / CHARACTERISTICS / CARACTERISTIQUES / TECHNISCHE MERKMALE / CARACTERISTICAS

| POTENZE 230/400 V A 3000 giri/min - 50 Hz | | POWER 230/400 V AT 3000 RPM - 50 Hz | | PUISSANCE 230/400 V A 3000 T/min - 50 Hz | | LEISTUNG 230/400 V BEI 3000 UpM - 50 Hz | | POTENCIAS 230/400 V A 3000 RPM - 50 Hz | | | |
|--|---|--|--|---|-------------------------|---|-----------------------------------|---|---|-----------------|--|
| Tipo Type Type Typ Tipo | CL. H ($\Delta T=125^{\circ}C$) | | | CL. F ($\Delta T=105^{\circ}C$) | | | CL. H ($\Delta T=125^{\circ}C$) | | | T.H.D. % | |
| | TRIFASE / THREE-PHASE TRIPHASE DREIPHASIG / TRIFASICO | | CAPACITA' DI SPUNTO PICKUP CAPACITY CAPACITE DE DEMARRAGE ANLALEISTUNG CAPACIDAD DE ARRANQUE | TRIFASE / THREE-PHASE TRIPHASE DREIPHASIG / TRIFASICO | | RENDIMENTI / EFFICIENCY RENDEMENT / WIRKUNGSGRAD RENDIMIENTOS | | | MONOFASE / SINGLE-PHASE MONOPHASE / EINPHASIG / MONOFASICO DELTA CONNECTION | | |
| | KVA | KW COS φ 0,8 | | KVA | KW COS φ 0,8 | 2/4 % | 3/4 % | 4/4 % | KVA KW | | CAPACITA' DI SPUNTO PICKUP CAPACITY CAPACITE DE DEMARRAGE ANLALEISTUNG CAPACIDAD DE ARRANQUE |
| TR1-130/2 | 5,5 | 4,4 | KVA 19 | 5 | 4 | 73 | 77,5 | 77,4 | 3,7 | KVA 14 | < 5 |
| TR1-160/2 | 6,5 | 5,2 | KVA 23 | 6 | 4,8 | 76 | 80,2 | 80 | 4,5 | KVA 18 | < 5 |

| POTENZE 277/480 V A 3600 giri/min - 60 Hz | | POWER 277/480 V AT 3600 RPM - 60 Hz | | PUISSANCE 277/480 V A 3600 T/min - 60 Hz | | LEISTUNG 277/480 V BEI 3600 UpM - 60 Hz | | POTENCIAS 277/480 V A 3600 RPM - 60 Hz | | | |
|--|---|--|--|---|-------------------------|---|-----------------------------------|---|---|-----------------|--|
| Tipo Type Type Typ Tipo | CL. H ($\Delta T=125^{\circ}C$) | | | CL. F ($\Delta T=105^{\circ}C$) | | | CL. H ($\Delta T=125^{\circ}C$) | | | T.H.D. % | |
| | TRIFASE / THREE-PHASE TRIPHASE DREIPHASIG / TRIFASICO | | CAPACITA' DI SPUNTO PICKUP CAPACITY CAPACITE DE DEMARRAGE ANLALEISTUNG CAPACIDAD DE ARRANQUE | TRIFASE / THREE-PHASE TRIPHASE DREIPHASIG / TRIFASICO | | RENDIMENTI / EFFICIENCY RENDEMENT / WIRKUNGSGRAD RENDIMIENTOS | | | MONOFASE / SINGLE-PHASE MONOPHASE / EINPHASIG / MONOFASICO DELTA CONNECTION | | |
| | KVA | KW COS φ 0,8 | | KVA | KW COS φ 0,8 | 2/4 % | 3/4 % | 4/4 % | KVA KW | | CAPACITA' DI SPUNTO PICKUP CAPACITY CAPACITE DE DEMARRAGE ANLALEISTUNG CAPACIDAD DE ARRANQUE |
| TR1-130/2 | 6,6 | 5,3 | KVA 24 | 6 | 4,8 | 74 | 78,5 | 78,2 | 4,5 | KVA 16 | < 5 |
| TR1-160/2 | 7,8 | 6,2 | KVA 28 | 7,2 | 5,8 | 77 | 81,3 | 81 | 5,5 | KVA 21 | < 5 |

| Tipo Type Type Typ Tipo | J (Kgm ²) | Peso/Weight Poids/Gewicht (Kg) | Vol.d'aria / Air Vol. / Vol. d'air Luftmenge / Vol. de aire (m ³ /min) | | dB(A) | | | |
|-------------------------------------|--------------------------|--------------------------------------|---|-------|-------|----|-------|----|
| | | | 50 Hz | 60 Hz | 50 Hz | | 60 Hz | |
| | | | | | 1m | 7m | 1m | 7m |
| TR1-130/2 | 0,0128 | 30,8 | 3,28 | 4,12 | 78 | 60 | 80 | 62 |
| TR1-160/2 | 0,0155 | 34,7 | 3,28 | 4,12 | | | | |



**DATI ELETTRICI TIPICI / TYPICAL ELECTRICAL DATA / DONNEES ELECTRIQUES
TYPISCHE ELEKTRISCHE DATEN / DATOS GENERALES ELECTRICOS**

| TIPO / TYPE / TYPE / TYP / TIPO | | TR1-130/2 | TR1-160/2 |
|--|------------------|-----------|-----------|
| Potenza classe "F" / Rating "F" class Puissance class "F" / Leistung klasse "F" Potencia clase "F" | kVA 50 Hz | 5 | 6 |
| Reattanza sincrona diretta / Direct - axis synchronous reactance / Reactance longitudinale synchrone / Direkte Synchronreaktanz / Reactancia sincrónica directa | Xd % | 350 | 280 |
| Reattanza transitoria diretta / Direct - axis transient reactance / Reactance longitudinale transitoire / Direkte vorübergehende Reaktanz / Reactancia transitoria directa | X'd % | 47 | 43 |
| Reattanza subtransitoria diretta / Direct - axis subtransient reactance / Reactance longitudinale subtransitoire / Direkte momentane Reaktanz / Reactancia subtransitoria directa | X" d % | 23 | 21 |
| Reattanza sincrona in quadratura diretta / Quadrature - axis synchronous reactance / Reactance transversale synchrone / Um 90° verschobene Synchronreaktanze / Reactancia sincrónica en cuadratura | Xq % | 115 | 108 |
| Reattanza transitoria in quadratura / Quadrature - axis transient reactance / Reactance transversale transitoire / Um 90° verschoben vorübergehende Reaktanz / Reactancia transitoria en cuadratura | X'q % | 115 | 108 |
| Reattanza subtransitoria in quadratura / Quadrature - axis subtransient reactance / Reactance transversale subtransitoire / Um 90° verschoben momentane Reaktanz / Reactancia subtransitoria en cuadratura | X"q % | 43 | 40 |
| Reattanza di sequenza inversa / Negative - sequence reactance / Reactance inverse / Gegenerreaktanz / Reactancia de secuencia inversa | X ₂ % | 25 | 21 |
| Reattanza di sequenza zero / Zero sequence reactance / Reactance homopolaire / Null - Phasenfolge Reaktanz / Reactancia de secuencia cero | X ₀ % | 9,5 | 8 |
| Costante di tempo transitoria / Transient time constant / Constante de temps transitoire / Vorübergehende Zeitkonstante / Constante de tiempo transitoria | T'd (ms) | 41 | 38 |
| Costante di tempo subtransitoria / Subtransient time constant / Constante de temps subtransitoire / Momentane Zeitkonstante / Constante de tiempo subtransitoria | T" d (ms) | 9 | 8 |
| Costante di tempo unidirezionale / Armature time constant / Constante de temps d'armature / Einseitig gerichtete Zeitkonstante / Constante de tiempo unidireccional | T α (ms) | 4 | 5 |
| Costante di tempo a vuoto / Open circuit time constant / Constante de temps transitoire à vide / Leerlauf - Zeitkonstante / Constante de tiempo en vacio | T'do (s) | 0,78 | 0,82 |
| Rapporto di cortocircuito / Short - circuit ratio / Rapport de court circuit / Kurzschlussverhältnis / Relación de cortocircuito | Kcc | 0,6 | 0,7 |
| Resistenza di avvolgimento statore / Stator winding resistance / Résistance de bobinage du stator / Wicklungswiderstand / Resistencia de bobinado estator | Ω | 2,02 | 1,53 |

| REGULATOR COMPOUND TRANS. | PARALLEL DEVICE | THERMAL PROTECTION | | | HEATERS | MECHANICAL PROTECTION | | | |
|------------------------------|--------------------|--------------------------|--------------------------|--------------------------|--------------------------|-----------------------|------|--------------------------|------|
| | | PTC | BIMET DEVICE. | PT100 | | IP21 | IP23 | IP45 | IP55 |
| ● | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | ● | <input type="checkbox"/> | |

● = Standard

□ = Optional