

TOSHWEELD®

DON SERIES



SHOPPING GUIDE





DONARC 220

1 Phase

IGBT

| | |
|----------------------------|---------------|
| INPUT VOLTAGE (V) | AC230V±15% |
| INPUT POWER CAPACITY (KVA) | 6 |
| NO-LOAD VOLTAGE (V) | 59 |
| OUTPUT CURRENT RANGE (A) | 10 - 220 |
| RATE INPUT CURRENT (A) | 47.2 |
| POWER FACTOR | 0.73 |
| NET WEIGHT (KG) | 6 |
| DIMENSION (INCH) | 15 x 6 x 11.5 |
| PLATE THICKNESS (MM) | 2.0 - 6.0 |
| ELECTRODE SIZE (MM) | 2.0 - 3.2 |



DONARC 220 L

1 & 2 Phase

IGBT

| | |
|----------------------------|-----------------|
| INPUT VOLTAGE (V) | AC230V/415V±15% |
| INPUT POWER CAPACITY (KVA) | 6 |
| NO-LOAD VOLTAGE (V) | 59 |
| OUTPUT CURRENT RANGE (A) | 10 - 220 |
| RATE INPUT CURRENT (A) | 41.7 / 11.2 |
| POWER FACTOR | 0.73 / 0.93 |
| NET WEIGHT (KG) | 6 |
| DIMENSION (INCH) | 15 x 6 x 11.5 |
| PLATE THICKNESS (MM) | 2.0 - 6.0 |
| ELECTRODE SIZE (MM) | 2.0 - 3.2 |



DONARC 250 ST

1 Phase

IGBT

| | |
|----------------------------|---------------|
| INPUT VOLTAGE (V) | AC230V±15% |
| INPUT POWER CAPACITY (KVA) | 7.4 |
| NO-LOAD VOLTAGE (V) | 59 |
| OUTPUT CURRENT RANGE (A) | 10 - 250 |
| RATE INPUT CURRENT (A) | 55.8 |
| POWER FACTOR | 0.73 |
| NET WEIGHT (KG) | 7 |
| DIMENSION (INCH) | 15 x 6 x 11.5 |
| PLATE THICKNESS (MM) | 2.0 - 8.0 |
| ELECTRODE SIZE (MM) | 2.0 - 3.2 |



DONARC 270 S

1 Phase

IGBT

| | |
|----------------------------|---------------|
| INPUT VOLTAGE (V) | AC230V±15% |
| INPUT POWER CAPACITY (KVA) | 8.5 |
| NO-LOAD VOLTAGE (V) | 66 |
| OUTPUT CURRENT RANGE (A) | 10 - 270 |
| RATE INPUT CURRENT (A) | 61.9 |
| POWER FACTOR | 0.73 |
| NET WEIGHT (KG) | 7.5 |
| DIMENSION (INCH) | 15 x 6 x 11.5 |
| PLATE THICKNESS (MM) | 2.0 - 10.0 |
| ELECTRODE SIZE (MM) | 2.0 - 4.0 |



DONARC 270 L

1&2 Phase

IGBT

| | |
|----------------------------|-----------------|
| INPUT VOLTAGE (V) | AC230V/415V±15% |
| INPUT POWER CAPACITY (KVA) | 8.5 |
| NO-LOAD VOLTAGE (V) | 60 |
| OUTPUT CURRENT RANGE (A) | 10 - 270 |
| RATE INPUT CURRENT (A) | 55.8 / 14.6 |
| POWER FACTOR | 0.73 / 0.93 |
| NET WEIGHT (KG) | 7.5 |
| DIMENSION (INCH) | 15 x 6 x 11.5 |
| PLATE THICKNESS (MM) | 2.0 - 12.0 |
| ELECTRODE SIZE (MM) | 2.0 - 4.0 |



DONARC 315 S

1 Phase

IGBT

| | |
|----------------------------|-----------------|
| INPUT VOLTAGE (V) | AC415V±15% |
| INPUT POWER CAPACITY (KVA) | 10.5 |
| NO-LOAD VOLTAGE (V) | 66 |
| OUTPUT CURRENT RANGE (A) | 30 - 315 |
| RATE INPUT CURRENT (A) | 76.5 |
| POWER FACTOR | 0.73 |
| NET WEIGHT (KG) | 9 |
| DIMENSION (INCH) | 16.5 x 8 x 13.5 |
| PLATE THICKNESS (MM) | 2.0 - 12.0 |
| ELECTRODE SIZE (MM) | 2.0 - 4.0 |



DONARC 315 L

1&2 Phase

IGBT

| | |
|----------------------------|-----------------|
| INPUT VOLTAGE (V) | AC230V/415±15% |
| INPUT POWER CAPACITY (KVA) | 10.5 |
| NO-LOAD VOLTAGE (V) | 66 |
| OUTPUT CURRENT RANGE (A) | 30 - 315 |
| RATE INPUT CURRENT (A) | 55.8 / 18.1 |
| POWER FACTOR | 0.73 / 0.93 |
| NET WEIGHT (KG) | 9 |
| DIMENSION (INCH) | 16.5 x 8 x 13.5 |
| PLATE THICKNESS (MM) | 2.0 - 12.0 |
| ELECTRODE SIZE (MM) | 2.0 - 4.0 |



DONARC 315

3 Phase

IGBT

| | |
|----------------------------|-----------------|
| INPUT VOLTAGE (V) | AC415V±15% |
| INPUT POWER CAPACITY (KVA) | 10.5 |
| NO-LOAD VOLTAGE (V) | 66 |
| OUTPUT CURRENT RANGE (A) | 30 - 315 |
| RATE INPUT CURRENT (A) | 18.1 |
| POWER FACTOR | 0.93 |
| NET WEIGHT (KG) | 9 |
| DIMENSION (INCH) | 16.5 x 8 x 13.5 |
| PLATE THICKNESS (MM) | 2.0 - 12.0 |
| ELECTRODE SIZE (MM) | 2.0 - 4.0 |



DONARC 400

3 Phase

IGBT

| | |
|----------------------------|-----------------|
| INPUT VOLTAGE (V) | AC415V±15% |
| INPUT POWER CAPACITY (KVA) | 18.2 |
| NO-LOAD VOLTAGE (V) | 68 |
| OUTPUT CURRENT RANGE (A) | 30 - 400 |
| RATE INPUT CURRENT (A) | 25.3 |
| POWER FACTOR | 0.93 |
| NET WEIGHT (KG) | 16 |
| DIMENSION (INCH) | 20 x 9.5 x 17.5 |
| PLATE THICKNESS (MM) | 2.0 - 20.0 |
| ELECTRODE SIZE (MM) | 2.0 - 5.0 |



DONARC 400 Sumo

3 Phase

IGBT

| | |
|----------------------------|--------------------|
| INPUT VOLTAGE (V) | AC415V±15% |
| INPUT POWER CAPACITY (KVA) | 18 |
| NO-LOAD VOLTAGE (V) | 68 |
| OUTPUT CURRENT RANGE (A) | 30 - 400 |
| RATE INPUT CURRENT (A) | 17 |
| POWER FACTOR | 0.93 |
| NET WEIGHT (KG) | 22 |
| DIMENSION (INCH) | 20.5 x 10.5 x 21.5 |
| PLATE THICKNESS (MM) | 2.0 - 40.0 |
| ELECTRODE SIZE (MM) | 2.0 - 6.0 |



DONTIG 220

1 Phase

IGBT

| | |
|----------------------------|-------------------|
| INPUT VOLTAGE (V) | AC230V±15% |
| INPUT POWER CAPACITY (KVA) | 6 / 6 |
| NO-LOAD VOLTAGE (V) | 56 |
| OUTPUT CURRENT RANGE (A) | 7 - 220 |
| RATE INPUT CURRENT (A) | 28 / 43 |
| ARC IGNITION | HF |
| POWER FACTOR | 0.73 |
| NET WEIGHT (KG) | 9 |
| DIMENSION (INCH) | 15 x 6 x 11.5 |
| PLATE THICKNESS (MM) | 0.3-6.0 / 1.0-6.0 |
| ELECTRODE SIZE (MM) | 2.0 - 3.2 |



DONTIG 315 S

1 Phase

IGBT

| | |
|----------------------------|--------------------|
| INPUT VOLTAGE (V) | AC230V±15% |
| INPUT POWER CAPACITY (KVA) | 10.5 / 7 |
| NO-LOAD VOLTAGE (V) | 60 |
| OUTPUT CURRENT RANGE (A) | 7 - 315 |
| RATE INPUT CURRENT (A) | 9.6 / 14.4 |
| ARC IGNITION | HF |
| POWER FACTOR | 0.73 |
| NET WEIGHT (KG) | 13.5 |
| DIMENSION (INCH) | 16.5 x 8 x 13.5 |
| PLATE THICKNESS (MM) | 0.3-8.0 / 2.0-12.0 |
| ELECTRODE SIZE (MM) | 2.0 - 4.0 |



DONTIG 315

3 Phase

IGBT

| | |
|----------------------------|--------------------|
| INPUT VOLTAGE (V) | AC415V±15% |
| INPUT POWER CAPACITY (KVA) | 10.5 / 7 |
| NO-LOAD VOLTAGE (V) | 60 |
| OUTPUT CURRENT RANGE (A) | 7 - 315 |
| RATE INPUT CURRENT (A) | 9.6 / 14.4 |
| ARC IGNITION | HF |
| POWER FACTOR | 0.93 |
| NET WEIGHT (KG) | 13.5 |
| DIMENSION (INCH) | 16.5 x 8 x 13.5 |
| PLATE THICKNESS (MM) | 0.3-8.0 / 2.0-12.0 |
| ELECTRODE SIZE (MM) | 2.0 - 4.0 |



DONMIG 250 YS

1 Phase

IGBT

| | |
|------------------------------|--------------|
| INPUT VOLTAGE (V) | AC230V±15% |
| INPUT POWER CAPACITY (KVA) | 9.7 |
| OUTPUT VOLTAGE ADJUSTMENT(V) | 26.5 |
| OUTPUT CURRENT RANGE (A) | 30 - 250 |
| WIRE FEEDER SPEED (MTR/MIN) | 2 - 24 |
| POWER FACTOR | 0.73 |
| NET WEIGHT (KG) | 21 |
| DIMENSION (INCH) | 19 x 10 x 17 |
| MIG WIRE DIAMETER (MM) | 0.8 - 1.0 |



DONMIG 250 Y

3 Phase

IGBT

| | |
|------------------------------|--------------|
| INPUT VOLTAGE (V) | AC415V±15% |
| INPUT POWER CAPACITY (KVA) | 9.7 |
| OUTPUT VOLTAGE ADJUSTMENT(V) | 26.5 |
| OUTPUT CURRENT RANGE (A) | 30 - 250 |
| WIRE FEEDER SPEED (MTR/MIN) | 2 - 24 |
| POWER FACTOR | 0.93 |
| NET WEIGHT (KG) | 21 |
| DIMENSION (INCH) | 19 x 10 x 17 |
| MIG WIRE DIAMETER (MM) | 0.8 - 1.0 |



DONMIG 315

3 Phase

IGBT

| | |
|------------------------------|-------------|
| INPUT VOLTAGE (V) | AC415V±15% |
| INPUT POWER CAPACITY (KVA) | 11.8 |
| OUTPUT VOLTAGE ADJUSTMENT(V) | 29.8 |
| OUTPUT CURRENT RANGE (A) | 30 - 315 |
| WIRE FEEDER SPEED (MTR/MIN) | 2 - 24 |
| POWER FACTOR | 0.93 |
| NET WEIGHT (KG) | 21 |
| DIMENSION (INCH) | 20 x 8 x 15 |
| MIG WIRE DIAMETER (MM) | 0.8 - 1.0 |



DONMIG 400

3 Phase

IGBT

| | |
|------------------------------|--------------------|
| INPUT VOLTAGE (V) | AC415V±15% |
| INPUT POWER CAPACITY (KVA) | 15 |
| OUTPUT VOLTAGE ADJUSTMENT(V) | 34 |
| OUTPUT CURRENT RANGE (A) | 30 - 400 |
| WIRE FEEDER SPEED (MTR/MIN) | 2 - 24 |
| POWER FACTOR | 0.93 |
| NET WEIGHT (KG) | 32 |
| DIMENSION (INCH) | 20.5 x 10.5 x 21.5 |
| MIG WIRE DIAMETER (MM) | 0.8 - 1.2 |



DONCUT 70

3 Phase

IGBT

| | |
|----------------------------|-------------|
| INPUT VOLTAGE (V) | AC415V±15% |
| INPUT POWER CAPACITY (KVA) | 7.8 |
| NO-LOAD VOLTAGE (V) | 240 |
| OUTPUT CURRENT RANGE (A) | 20 - 70 |
| RATE INPUT CURRENT (A) | 13.3 |
| POWER FACTOR | 0.93 |
| AIR PRESSURE (KG) | 4 - 5 |
| NET WEIGHT (KG) | 15 |
| DIMENSION (INCH) | 19 x 8 x 13 |
| CUTTING THICKNESS (MM) | 0.3 - 12.0 |



DONCUT 100

3 Phase

IGBT

| | |
|----------------------------|--------------------|
| INPUT VOLTAGE (V) | AC415V±15% |
| INPUT POWER CAPACITY (KVA) | 15.2 |
| NO-LOAD VOLTAGE (V) | 290 |
| OUTPUT CURRENT RANGE (A) | 20 - 100 |
| RATE INPUT CURRENT (A) | 21.1 |
| POWER FACTOR | 0.93 |
| AIR PRESSURE (KG) | 4 - 5 |
| NET WEIGHT (KG) | 25 |
| DIMENSION (INCH) | 20.5 x 10.5 x 21.5 |
| CUTTING THICKNESS (MM) | 1.0 - 22.0 |